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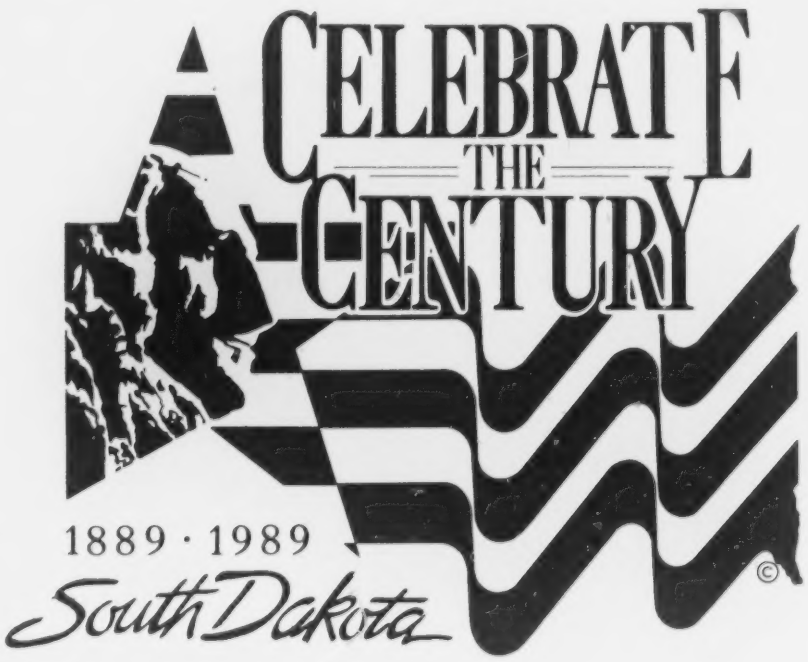

SOUTH DAKOTA

Vital Statistics And Health Status: 1987

SOUTH DAKOTA
DEPARTMENT OF HEATLH
CENTER FOR HEALTH POLICY
AND STATISTICS

STATE OF SOUTH DAKOTA

South Dakota Vital Statistics
Annual Report, 1987

Department of Health
Katherine A. Kinsman
Secretary

Center for Health Policy and Statistics
Pierre, South Dakota 57501
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PREFACE

Vital Statistics and Health Status: 1987 was prepared by the Center for Health Policy and Statistics, South Dakota Department of Health.

The report is divided into main sections: Overview of 1987 Vital Statistics, Live Births, Infant and Fetal Deaths, Mortality, Induced Abortions, Marriages and Divorces, and Communicable Diseases. This year, an adolescent section has been added. Each section contains written analysis plus tables and figures. There is also a technical notes section which provides additional information regarding the sources of data, data delimitations, geographic allocation, and definitions. Samples of Data Collection Instruments are provided in the last section.

If you, as the reader, have any questions concerning the data, or requests for additional statistics please contact the following agency within the South Dakota Department of Health:

Center for Health Policy and Statistics
523 East Capitol
Pierre, South Dakota 57501
Phone: (605) 773-3693 or (605) 773-4961

The following Health Department personnel were the main contributors to the development of this report:

Sheri Barth	Word Processing
Doris Donner	State Registrar
Tammy Holmes	Senior Programmer Analyst
Joan Klauck	Intern
Geri Knecht	Intern
Peggy LeBeau	Statistician
Kathy Miller	Graphics
David Peterson	Health Research Analyst
Charlotte Vastag	Policy Analyst

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Overview of 1987 Vital Statistics

TABLE 1

SELECTED HEALTH STATISTICS

Health Indicator	1987	1986	Percent Change
Births	11,482	11,623	- 1.2
Birth Rate	16.2	16.4	- 1.2
White Births	9,639	9,807	- 1.7
Indian Births	1,695	1,678	+ 1.0
Other/Unknown Births	148	138	+ 5.1
Out of Wedlock Births	2,249	2,063	+ 9.0
Adolescent Births (<20 years of age)	1,191	1,128	+ 5.6
Infants Weighing (<2500 grams)	591	615	- 3.9
Deaths	6,658	6,583	+ 1.1
Death Rate	9.4	9.3	+ 1.1
White Deaths	6,226	6,156	+ 1.1
Indian Deaths	418	412	- 1.5
Other Deaths	14	15	- 6.7
Infant Deaths	114	155	- 26.5
Fetal Deaths	67	72	- 6.9
Marriages	6,993	7,386	- 5.3
Marriage Rate	9.9	10.4	- 4.8
Divorces	2,696	2,585	+ 4.3
Divorce Rate	3.8	3.6	+ 5.6
Abortions	756	1,077	- 29.8
Abortion Rate	65.8	92.7	- 29.0

TABLE 2

SOUTH DAKOTA VITAL STATISTICS, 1906-1987

	BIRTHS		DEATHS		MARRIAGES		DIVORCES		FETAL DEATHS		INFANT DEATHS		
YEAR	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	POPULATION
1987	11,482	16.2	6,658	9.4	6,993	9.9	2,696	3.8	67	5.8	114	9.9	707,000*
1986	11,623	16.4	6,583	9.3	7,386	10.4	2,585	3.6	72	6.2	155	13.3	707,000*
1985	12,129	17.2	6,604	9.4	7,793	11.0	2,566	3.6	73	6.0	118	9.7	708,118
1984	12,431	17.8	6,512	9.3	8,057	11.5	2,498	3.6	85	6.8	124	10.0	705,795
1983	12,521	18.0	6,622	9.5	8,013	11.5	2,556	3.7	82	6.5	135	10.8	698,704
1982	12,839	18.6	6,588	9.5	8,353	12.1	2,564	3.7	82	6.4	131	10.2	694,394
1981	12,725	18.4	6,434	9.3	8,662	12.5	2,772	4.0	72	5.6	143	11.2	691,625
1980	13,256	19.2	6,539	9.5	8,800	12.7	2,811	4.1	92	6.9	145	10.9	690,768
1979	12,973	18.8	6,329	9.2	8,978	13.0	2,665	3.9	89	6.8	146	11.3	688,838
1978	12,203	17.6	6,480	9.4	10,638	15.4	2,449	3.5	97	7.9	163	13.4	690,213
1977	12,069	17.6	6,281	9.1	10,359	15.1	2,436	3.5	107	8.8	195	16.2	687,590
1976	11,655	17.0	6,727	9.8	10,781	15.7	2,352	3.4	99	8.4	199	17.1	685,563
1975	11,294	16.6	6,470	9.5	11,074	16.3	2,232	3.3	121	10.6	178	15.8	680,811
1974	11,174	16.4	6,577	9.7	11,928	17.5	2,015	3.0	111	9.8	219	19.6	681,386
1973	10,706	15.7	6,626	9.7	12,291	18.0	1,802	2.6	103	9.5	196	18.3	681,899
1972	10,855	16.0	7,038	10.4	12,151	17.9	1,632	2.4	138	12.6	225	20.7	680,000
1971	11,634	17.3	6,704	9.9	11,363	16.9	1,408	2.1	139	11.8	216	19.6	674,000
1970	11,717	17.6	6,547	9.8	11,034	16.6	1,357	2.0	144	12.1	228	19.5	666,257
1969	11,441	17.1	6,747	10.1	10,909	16.3	1,255	1.9	121	10.5	226	19.8	668,000
1968	11,408	17.1	6,532	9.8	10,347	15.5	1,243	1.9	145	12.6	233	20.4	669,000
1967	11,424	17.0	6,349	9.5	9,051	13.5	1,090	1.6	161	13.9	252	22.1	671,000
1966	12,534	18.4	6,576	9.6	8,517	12.5	949	1.4	165	13.0	309	24.6	683,000
1965	13,692	19.8	6,520	9.4	8,317	12.0	1,015	1.5	191	13.8	315	23.1	692,000
1964	15,627	22.3	6,599	9.4	8,055	11.5	951	1.4	188	11.9	350	22.4	701,000
1963	16,711	23.6	6,654	9.4	7,470	10.6	953	1.3	222	13.3	414	24.8	708,000
1962	17,158	24.3	6,577	9.3	6,954	9.9	871	1.2	234	13.5	434	25.3	705,000
1961	17,551	25.3	6,234	9.0	6,213	9.0	881	1.3	235	13.4	409	23.3	693,000
1960	17,594	25.8	6,616	9.7	5,789	8.5	806	1.2	223	12.5	494	28.1	683,000
1959	17,956	26.5	6,287	9.3	5,861	8.6	763	1.1	264	14.5	413	23.0	678,000
1958	17,364	25.7	6,223	9.2	5,702	8.4	641	0.9	277	15.7	455	26.2	675,000
1957	17,617	26.2	6,250	9.3	5,727	8.5	624	0.9	275	15.4	456	25.9	672,000

1956	18,021	26.9	5,953	8.9	6,128	9.2	850	1.3	277	15.1	415	23.0	669,000
1955	18,566	27.9	5,873	8.8	6,122	9.2	868	1.3	270	14.3	484	26.1	666,600
1954	18,083	27.2	5,746	8.7	6,104	9.2	959	1.4	312	17.0	466	25.8	663,800
1953	17,951	27.2	5,813	8.8	6,065	9.2	932	1.4	276	15.1	448	25.0	661,100
1952	18,256	27.7	5,844	8.9	5,964	9.1	935	1.4	225	12.2	511	28.0	658,300
1951	18,270	27.9	5,922	9.0	6,222	9.5	868	1.3	257	13.9	458	25.1	655,500
1950	17,852	27.3	5,889	9.0	6,969	10.7	924	1.4	282	15.6	470	26.3	652,740
1940	12,773	19.9	5,712	8.9	4,138	6.4	793	1.2	-	-	506	39.6	642,961
1930	15,504	22.4	5,879	8.5	6,489	9.4	734	1.1	-	-	865	55.8	693,332
1920	18,148	28.4	5,542	8.7	6,881	10.8	687	1.1	-	-	-	-	640,003
1910	16,081	27.2	6,461	7.9	5,407	9.2	511	0.9	-	-	-	-	590,499
1906	13,233	25.9	3,644	7.1	4,141	8.1	508	1.0	-	-	-	-	510,596

*Rates are based on the provisional 1986 mid-year population estimate.

Birth, Death, Marriage and Divorce rates are per 1,000 population.

Fetal Death and Infant Death rates are per 1,000 Live Births.

Births, Deaths, Fetal Deaths, and Infant Deaths are by Residence.

Marriages and Divorces are by Occurrence.

TABLE 3

POPULATION ESTIMATES BY COUNTY*

APRIL 1, 1980 TO JULY 1, 1986

	CENSUS 4/1/80	REV. EST. 7/1/81	REV. EST. 7/1/82	REV. EST. 7/1/83	REV. EST. 7/1/84	REV. EST. 7/1/85	PREL. EST. 7/1/86
SOUTH DAKOTA	690,768	691,625	694,394	698,704	705,795	708,118	707,000
Aurora	3,628	3,626	3,550	3,540	3,483	3,439	3,300
Beadle	19,195	19,173	19,002	18,678	18,367	18,273	18,300
Bennett	3,044	3,017	3,084	3,181	3,264	3,336	3,400
Bon Homme	8,059	7,786	7,706	7,725	7,870	6,759	6,800
Brookings	24,332	24,723	24,844	24,850	25,013	24,801	24,600
Brown	36,962	37,323	37,365	36,792	36,784	36,675	36,700
Brule	5,245	5,182	5,318	5,384	5,385	5,474	5,500
Buffalo	1,795	1,781	1,618	1,679	1,711	1,695	1,600
Butte	8,372	8,429	8,374	8,271	8,253	8,218	8,200
Campbell	2,243	2,155	2,236	2,241	2,273	2,309	2,200
Charles Mix	9,680	9,594	9,656	9,617	9,719	9,514	9,400
Clark	4,894	4,752	4,758	4,952	4,953	4,901	4,800
Clay	13,689	13,689	13,638	13,712	13,663	13,220	12,800
Codington	20,885	21,111	21,745	21,854	22,084	22,456	22,500
Corson	5,196	5,538	5,438	5,300	5,245	5,109	5,000
Custer	6,000	6,093	6,235	6,356	6,643	6,910	6,900
Davison	17,820	17,738	17,585	17,729	17,814	17,771	17,400
Day	8,133	8,044	8,016	7,985	7,956	7,852	7,900
Deuel	5,289	5,268	5,330	5,224	5,229	5,091	5,000
Dewey	5,366	5,394	5,228	5,412	5,467	5,525	5,500
Douglas	4,181	4,048	3,981	3,993	3,957	3,886	4,000
Edmunds	5,159	4,980	4,900	4,926	4,992	4,847	5,000
Fall River	8,439	8,096	7,903	7,978	7,954	7,800	7,800
Faulk	3,327	3,339	3,337	3,253	3,183	3,107	3,100
Grant	9,013	8,852	9,212	9,427	9,480	9,455	8,900
Gregory	6,015	5,986	5,852	5,919	5,930	5,870	5,700
Haakon	2,794	2,708	2,790	2,826	2,935	2,897	2,800
Hamlin	5,261	5,250	5,223	5,235	5,261	5,244	5,200
Hand	4,948	4,852	4,787	4,783	4,768	4,769	4,700
Hanson	3,415	3,460	3,434	3,343	3,322	3,321	3,300

	4/1/80	7/1/81	7/1/82	7/1/83	7/1/84	7/1/85	7/1/86
Harding	1,700	1,629	1,656	1,733	1,855	1,830	1,800
Hughes	14,220	14,473	14,489	14,508	14,715	14,894	14,900
Hutchinson	9,350	9,262	9,337	9,148	9,117	8,882	8,700
Hyde	2,069	1,983	1,915	1,995	1,947	1,949	1,900
Jackson	3,437	3,222	3,194	3,353	3,316	3,358	3,400
Jerauld	2,929	2,886	2,912	2,801	2,776	2,807	2,800
Jones	1,463	1,476	1,438	1,466	1,503	1,509	1,500
Kingsbury	6,679	6,654	6,715	6,553	6,537	6,481	6,300
Lake	10,724	10,669	10,864	10,807	10,955	10,670	10,800
Lawrence	18,339	18,497	18,699	18,924	19,178	19,249	19,400
Lincoln	13,942	13,655	13,799	14,000	14,307	14,322	14,400
Lyman	3,864	3,798	3,789	3,824	3,898	3,855	3,700
McCook	6,444	6,175	6,303	6,257	6,282	6,137	6,100
McPherson	4,027	3,925	3,977	3,877	3,829	3,735	3,600
Marshall	5,404	5,595	5,448	5,291	5,263	5,117	5,000
Meade	20,717	21,056	21,027	21,194	21,530	22,997	23,500
Mellette	2,249	2,200	2,201	2,275	2,355	2,326	2,300
Miner	3,739	3,717	3,598	3,616	3,543	3,531	3,500
Minnehaha	109,435	110,526	112,260	114,825	118,145	121,830	122,700
Moody	6,692	6,709	6,852	6,871	6,921	6,758	6,700
Pennington	70,361	71,131	73,329	73,692	74,716	75,899	76,100
Perkins	4,700	5,024	4,462	4,624	4,706	4,653	4,600
Potter	3,674	3,772	3,793	3,709	3,771	3,730	3,700
Roberts	10,911	10,862	11,008	10,929	11,053	10,877	11,000
Sanborn	3,213	3,206	3,246	3,102	3,124	3,027	3,000
Shannon	11,323	11,747	10,910	11,072	11,258	11,662	12,800
Spink	9,201	9,057	9,241	9,096	9,125	8,841	8,900
Stanley	2,533	2,488	2,320	2,427	2,471	2,524	2,700
Sully	1,990	1,958	1,914	1,856	1,896	1,851	1,900
Todd	7,328	7,135	6,871	7,237	7,299	7,344	6,800
Tripp	7,268	6,963	6,864	7,234	7,255	7,229	7,200
Turner	9,255	8,992	9,062	9,185	9,162	8,965	8,700
Union	10,938	11,083	10,853	10,796	10,816	10,526	10,500
Walworth	7,011	6,879	6,788	6,851	6,709	6,598	6,700
Yankton	18,952	19,019	18,964	10,057	19,098	19,081	18,800
Ziebach	2,308	2,215	2,151	2,381	2,465	2,551	2,500

* The 1984, 1985 and 1986 estimates were prepared by the State Data Center, and the 1981, 1982 and 1983 estimates were prepared by the South Dakota Health Department.

TABLE 4

VITAL STATISTICS BY COUNTY, 1987

(BIRTHS, DEATHS, ABORTIONS AND FETAL DEATHS ARE BY COUNTY OF RESIDENCE, MARRIAGES AND DIVORCES BY COUNTY OF OCCURRENCE)

	BIRTHS		DEATHS		MARRIAGES		DIVORCES		FETAL DEATHS		ABORTIONS	
COUNTY	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
SOUTH DAKOTA	11,482	16.2	6,658	9.4	6,983	9.9	2,696	3.8	67	5.8	754	65.6
AURORA	42	12.6	58	17.4	15	4.5	1	0.3	-	-	2	47.6
BEADLE	261	14.3	193	10.5	121	6.6	66	3.6	3	11.5	18	69.0
BENNETT	65	19.3	44	13.1	32	9.5	13	3.9	-	-	2	30.8
BON HOMME	91	13.4	97	12.9	46	6.8	21	3.1	-	-	3	33.0
BROOKINGS	323	13.1	150	6.1	209	8.5	102	4.1	6	18.6	49	151.7
BROWN	501	13.7	348	9.5	351	9.6	173	4.7	1	2.0	27	53.9
BRULE	92	14.9	65	11.8	37	6.7	16	2.9	-	-	6	73.2
BUFFALO	58	35.6	18	11.0	3	1.8	1	0.6	-	-	2	34.5
BUTTE	122	14.8	94	11.4	86	10.4	44	5.3	-	-	1	8.2
CAMPBELL	29	13.1	21	9.5	14	6.3	2	0.9	-	-	-	-
CHARLES MIX	163	17.4	123	13.1	76	8.1	20	2.1	2	12.3	9	55.2
CLARK	69	14.3	55	11.4	32	6.6	6	1.2	-	-	4	58.0
CLAY	165	12.9	102	8.0	92	7.2	43	3.4	2	12.1	22	133.3
CODINGTON	340	15.1	200	8.9	378	16.8	82	3.7	2	5.9	16	47.1
CORSON	96	19.1	48	9.5	24	4.8	5	1.0	-	-	-	-
CUSTER	91	11.7	69	9.0	94	13.5	36	5.2	-	-	5	61.7
DAVISON	262	15.0	186	10.7	168	9.6	79	4.5	-	-	32	122.1
DAY	102	13.0	88	11.2	61	7.8	20	2.5	-	-	5	49.0
DEUEL	51	10.1	48	9.5	57	11.3	11	2.2	-	-	4	78.4
DEWEY	154	28.1	54	9.9	35	6.4	4	0.7	5	32.5	3	19.5
DOUGLAS	65	16.4	40	10.1	36	9.1	8	2.0	-	-	6	92.3
EDMUNDS	61	12.3	51	10.3	37	7.5	3	0.6	1	16.4	-	-
FALL RIVER	80	10.3	144	18.6	106	13.7	33	4.3	1	12.5	2	25.0
FAULK	43	14.0	35	11.4	18	5.8	9	2.9	-	-	-	-
GRANT	121	13.6	99	11.1	142	15.9	18	2.0	1	8.3	3	24.8
GREGORY	93	16.2	86	15.0	27	4.7	11	1.9	-	-	3	32.3
HAAKON	40	14.3	24	8.6	16	5.7	4	1.4	1	25.0	1	25.0
HAMLIN	84	16.0	84	16.0	21	4.0	7	1.3	-	-	-	-
HAND	52	11.2	54	11.6	21	4.5	7	1.5	1	19.2	6	115.4
HANSON	39	11.9	19	5.8	18	5.5	6	1.8	-	-	-	-
HARDING	36	30.2	16	9.0	14	7.9	1	0.6	-	-	-	-
HUGHES	220	14.8	109	7.3	181	12.2	50	3.4	3	13.6	22	100.0
HUTCHINSON	112	12.9	114	13.2	71	8.2	14	1.6	2	17.9	6	53.6
HYDE	17	8.9	21	11.0	6	3.1	4	2.1	-	-	4	236.3
JACKSON	77	22.9	24	7.1	13	3.9	12	3.6	3	39.0	2	26.0
JERAULD	32	11.4	36	12.9	10	3.6	8	2.9	-	-	1	31.3
JONES	20	13.5	13	8.8	11	7.4	1	0.7	1	50.0	2	100.0
KINGSBURY	85	13.4	106	16.8	54	8.5	5	0.8	-	-	4	47.1
LAKE	145	13.4	120	11.1	69	6.4	37	3.4	1	6.9	10	69.0
LAWRENCE	278	14.3	163	8.4	210	10.8	87	4.5	-	-	15	54.0
LINCOLN	218	15.0	134	9.3	81	5.6	44	3.1	-	-	11	50.5
LYMAN	67	18.0	28	7.5	11	3.0	7	1.9	-	-	4	59.7
MCCOOK	85	13.9	71	11.6	55	9.0	5	0.8	1	11.8	1	11.8
MCPHERSON	47	12.9	47	12.9	20	5.5	7	1.9	-	-	-	-
MARSHALL	52	10.3	62	12.3	31	6.2	6	1.2	-	-	-	-
MEADE	344	14.7	138	5.9	159	6.8	86	3.7	5	14.5	19	52.3
MELLETTE	44	19.1	16	7.0	20	8.7	5	2.2	1	22.7	2	45.5
MINER	45	13.0	37	10.7	19	5.5	4	1.2	-	-	-	-
MINNEHAHA	1,966	16.0	934	7.6	1,239	10.1	606	4.9	5	2.5	243	123.6
MOODY	92	13.7	74	11.0	51	7.6	17	2.5	-	-	3	32.6
PENNINGTON	1,819	23.9	543	7.1	1,066	14.0	548	7.2	10	5.5	120	66.0
PERKINS	49	10.6	57	12.3	31	6.7	14	3.0	-	-	1	20.4
POTTER	39	10.6	54	14.7	21	5.7	7	1.9	1	25.6	3	76.9
ROBERTS	173	15.8	109	9.9	224	20.4	18	1.6	-	-	-	-
SANBORN	42	13.9	33	10.9	5	1.7	6	2.0	1	23.8	3	71.4
SHANNON	415	32.5	100	7.8	11	0.9	-	-	3	7.2	3	7.2
SPINK	107	12.0	118	13.2	60	6.7	37	4.1	1	9.3	4	37.4
STANLEY	45	16.9	19	7.1	12	4.5	11	4.1	-	-	-	-
SULLY	23	12.0	15	7.8	11	5.7	3	1.6	-	-	1	43.5
TODD	252	36.8	56	8.2	25	3.7	17	2.5	3	11.9	4	15.9
TRIPP	110	16.3	84	11.7	84	11.7	22	3.1	-	-	2	18.2
TURNER	121	13.9	122	14.0	67	7.7	23	2.6	-	-	5	41.3
UNION	138	13.2	88	8.4	416	39.6	40	3.8	-	-	-	-
WALWORTH	84	12.5	96	14.3	51	7.6	19	2.8	-	-	3	35.7
YANKTON	288	15.3	201	10.7	199	10.6	72	3.8	-	-	27	93.8
ZIEBACH	54	25.4	16	6.3	14	5.6	2	0.8	-	-	1	18.6

BIRTH, DEATH, MARRIAGE AND DIVORCE RATES ARE PER 1,000 POPULATION.
FETAL DEATH RATES AND ABORTION RATES ARE PER 1,000 LIVE BIRTHS

Live Births

LIVE BIRTHS AN OVERVIEW: 1987	
Total Resident Live Births	11,482
Birth Rate per 1,000 Population	16.2
U.S. Birth Rate per 1,000 Population (provisional)	15.7
Low Weight Births	591
Low Weight Births Ratio per 1,000 Births	51.5
Average Age of Mother	26.0
No Prenatal Care (Percent of Total Births)	1.6

There were 11,482 South Dakota resident births during 1987, resulting in a birth rate of 16.2 per 1,000 population (see Table 5). Resident births are down 1.2 percent from 1986 when they numbered 11,623 with a corresponding birth rate of 16.4 per 1,000 population. Of the babies born during 1987, 50.4 percent were male and 49.6 percent were female. By race, births were as follows: 9,639 or 83.9 percent white; 1,695 or 14.8 percent American Indian; 145 other races and 3 unknown.

Women in the 25-29 age cohort accounted for the greatest percentage of births, 35.2 percent (see Table 6). This age group was followed by women in the 20-24 age group, with 29.5 percent of the births. Women 25 year olds accounted for the most births, a total of 937 (see Table 7). In addition, the average age for mothers was 26.0 years which is the same as 1986.

In 1987 there were 108 sets of twins born to South Dakota residents, this represents 1.9 percent of the total resident live births.

Births to Unwed Mothers

Over 19 percent of all births were to unmarried mothers (see Table 7). During 1987, 18 through 21-year-olds comprised the largest group of unwed women bearing children, 43.7 percent. The average age of unwed mothers was 22.5 compared to 26.9 years for wed mothers. Figures 1 and 2 illustrate that births to unwed mothers have risen since 1970. The percentage of such births rose from 1.6 percent of all white births in 1960 to 11.5 percent in 1986. In 1987, the percentage of births to white unwed mothers was 11.7, a 0.2 percent increase from 1986. The number of births to unwed women also increased for American Indian mothers from 1960 to 1986, 22.8 percent to 62.0 percent. In 1987, this figure was 65.3 percent, a 3.3 percent increase from 1986.

Prenatal Care

The majority of women, 8,348 or 74.1 percent, began prenatal care during the first trimester of their pregnancy (see Table 10). In addition, 2,243 or 19.9 percent initiated care in the second trimester, 468 in the third trimester, 181 with no prenatal care and in 25 cases, it was unknown. As Figure 3 illustrates, 78.3 percent of white mothers began prenatal care in the first trimester compared to 50.4 percent of American Indian mothers (those live births where prenatal care was not known are excluded in figuring percentages). Over 89 percent of all pregnant women had six or more prenatal visits. Of all pregnant women, 46.0 percent had 11-15 prenatal visits, and 36.7 had 6-10 visits (see Table 11). During 1987, 1.6 percent of women giving birth indicated no prenatal care, an increase from the 1986 figure of 1.4 percent.

Education appears to be a factor in commencing prenatal care. The more education a woman has, the more likely she is to begin prenatal care in the first trimester of pregnancy (see Figure 5). Table 12 provides detailed information on marital status, education, race and prenatal care. The Surgeon General's 1990 goal for the nation is for 90 percent of pregnant women in any county, racial or ethnic group to obtain prenatal care in the first trimester. Currently, South Dakota does not have a racial group achieving this criteria. Five counties in South Dakota came close to meeting the criteria, they include: Aurora, 88 percent; Brookings, 88 percent; Clay, 88 percent; Douglas, 89 percent; and Yankton, 87 percent. In 1986, Aurora, Brookings and Clay came close to meeting the criteria while Douglas county met the criteria.

Birth Weight

Table 13 depicts resident live births by county and birth weight in grams. Thirty-five percent of the resident births weighed between 3,000 and 3,499 grams. The second largest category was between 3,500 and 3,999 grams with 33.2 percent of the births. Low birth weight babies (those less than 2,500 grams) comprised 5.1 percent (591 babies) or approximately 51 of every 1,000 live births.

The nation's 1990 objective is for no more than 5 percent of babies having a low birth weight and no more than 9 percent low weight births in any county, racial or ethnic group. In 1987, the state did not quite meet this objective; however, the white low birth weight percentage met the objective at 5.0 percent. The corresponding rate for American Indians was 6.1 percent, which meets the objective for a racial group.

Congenital Anomalies

Congenital anomalies were reported in 179 (1.6 percent) of the 11,482 resident births in 1987 (see Table 15). Reported anomalies were higher among male children than female children, 57.5 percent and 42.5 percent respectively. Of the 179 births with congenital anomalies, 24 or 13.4 percent resulted in an infant death.

Attendant at Birth and Place of Birth

The vast majority, 95.7 percent, of women giving birth in South Dakota during 1987 were attended by a physician. Another 3.9 percent were attended by a midwife at the time of birth.

There were 11,538 babies born in South Dakota during 1987, of which 10,966 were South Dakotan's (see Table 17). In addition, 516 South Dakotans were born outside state boundaries.

Pregnancies

During 1987, there were a reported 12,088 pregnancies, a decrease of 423 or 3.4 percent from 1986. Pregnancies are defined as single live births (a pregnancy that results in a live birth), fetal deaths and induced abortions.

The age group 20-29 accounted for over 63.6 percent of all reported pregnancies in 1987. Women 30 years of age and over accounted for 24.6 percent of the pregnancies and those 19 and under accounted for 11.8 percent.

In 1987, 93.2 percent of the reported pregnancies resulted in a live birth, 6.3 percent in an induced abortion and over 0.5 percent in a fetal death (see Table 19).

In eight counties (Bennett, Buffalo, Corson, Fall River, Lyman, Mellette, Shannon, and Todd) over 20 percent of all pregnancies were to females 19 years and younger. In the following seven counties, fetal deaths accounted for over 2 percent of all pregnancies in 1987: Dewey, Haakon, Jackson, Jones, Mellette, Potter, and Sanborn.

TABLE 5

BIRTHS AND BIRTH RATES BY COUNTY OF RESIDENCE, RACE AND SEX, 1987*

	TOTAL		WHITE			INDIAN			OTHER			UNKNOWN		
	NUMBER	RATE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
SOUTH DAKOTA	11,482	16.24	9,639	4,846	4,793	1,686	876	810	145	66	79	3	1	2
AURORA	42	12.57	42	18	24	-	-	-	-	-	-	-	-	-
BEADLE	361	14.26	255	138	117	6	3	2	1	-	1	-	-	-
BENNETT	65	19.29	30	11	19	35	14	21	-	-	-	-	-	-
BON HOMME	91	13.44	87	42	45	4	4	-	-	-	-	-	-	-
BROOKINGS	323	13.12	306	156	150	5	2	3	12	7	5	-	-	-
BROWN	501	13.66	475	241	234	24	15	9	2	1	1	-	-	-
BRULE	82	14.94	72	36	36	8	4	4	2	2	-	-	-	-
BUFFALO	58	35.58	10	7	3	48	23	25	-	-	-	-	-	-
BUTTE	122	14.82	121	70	51	1	1	-	-	-	-	-	-	-
CAMPBELL	29	13.12	29	12	17	-	-	-	-	-	-	-	-	-
CHARLES MIX	163	17.36	100	55	45	63	41	22	-	-	-	-	-	-
CLARK	69	14.32	69	45	24	-	-	-	-	-	-	-	-	-
CLAY	168	12.89	155	74	81	8	4	4	2	-	2	-	-	-
CODINGTON	340	15.14	331	156	175	9	6	3	-	-	-	-	-	-
CORSON	96	19.09	29	14	15	66	30	36	-	-	-	1	-	1
CUSTER	81	11.67	80	36	44	1	-	1	-	-	-	-	-	-
DAVISON	262	15.01	251	142	109	9	7	2	2	-	2	-	-	-
DAY	102	12.98	84	35	49	17	13	4	1	1	-	-	-	-
DEUEL	61	10.12	51	32	19	-	-	-	-	-	-	-	-	-
DEWEY	154	28.10	36	18	18	118	58	60	-	-	-	-	-	-
DOUGLAS	65	16.41	65	30	35	-	-	-	-	-	-	-	-	-
EDMUNDS	61	12.30	61	32	29	-	-	-	-	-	-	-	-	-
FALL RIVER	80	10.32	73	44	29	7	3	4	-	-	-	-	-	-
FAULK	43	13.96	43	21	22	-	-	-	-	-	-	-	-	-
GRANT	121	13.58	121	65	56	-	-	-	-	-	-	-	-	-
GREGORY	93	16.20	83	40	43	10	3	7	-	-	-	-	-	-
HAAKON	40	14.34	38	22	16	2	-	2	-	-	-	-	-	-
HAMLIN	84	16.00	84	50	34	-	-	-	-	-	-	-	-	-
HAND	52	11.18	51	26	25	1	1	-	-	-	-	-	-	-
HANSON	30	11.88	29	21	18	-	-	-	-	-	-	-	-	-
HARDING	36	20.22	35	18	17	1	-	1	-	-	-	-	-	-
HUGHES	220	14.78	190	93	97	29	14	15	1	-	1	-	-	-
HUTCHINSON	112	12.96	112	63	49	-	-	-	-	-	-	-	-	-
HYDE	17	8.90	16	9	7	1	1	-	-	-	-	-	-	-
JACKSON	77	22.92	29	18	11	48	17	31	-	-	-	-	-	-
JERAULD	32	11.43	32	20	12	-	-	-	-	-	-	-	-	-
JONES	20	13.51	18	12	6	2	-	2	-	-	-	-	-	-
KINGSBURY	85	13.41	85	36	49	-	-	-	-	-	-	-	-	-
LAKE	145	13.39	143	68	75	1	1	-	1	1	-	-	-	-
LAWRENCE	278	14.30	266	146	120	11	5	6	1	1	-	-	-	-
LINCOLN	216	15.04	216	84	132	-	-	-	-	-	-	-	-	-
LYMAN	67	18.01	33	19	14	34	22	12	-	-	-	-	-	-
MCCOOK	86	13.91	84	38	46	1	1	-	-	-	-	-	-	-
MCPHERSON	47	12.88	47	22	25	-	-	-	-	-	-	-	-	-
MARSHALL	52	10.34	47	28	19	5	3	2	-	-	-	-	-	-
MEADE	344	14.66	328	152	176	8	3	5	8	4	4	-	-	-
MELLETTE	44	18.13	17	10	7	27	18	9	-	-	-	-	-	-
MINER	45	12.97	45	18	27	-	-	-	-	-	-	-	-	-
MINNEHAHA	1,966	16.03	1,894	966	928	47	23	24	25	10	15	-	-	-
MOODY	92	13.71	82	39	43	9	8	1	1	1	-	-	-	-
PENNINGTON	1,817	23.88	1,516	737	779	219	111	108	81	35	46	1	1	-
PERKINS	49	10.56	49	30	19	-	-	-	-	-	-	-	-	-
POTTER	39	10.63	36	22	14	2	1	1	1	1	-	-	-	-
ROBERTS	173	15.76	92	45	47	80	43	37	1	-	1	-	-	-
SANBORN	42	13.86	42	18	24	-	-	-	-	-	-	-	-	-
SHANNON	416	32.52	11	4	7	404	212	192	-	-	-	-	-	-
SPINK	107	11.98	107	51	56	-	-	-	-	-	-	-	-	-
STANLEY	45	16.85	41	19	22	4	2	2	-	-	-	-	-	-
SULLY	23	11.98	22	10	12	-	-	-	1	1	-	-	-	-
TODD	252	36.84	30	12	18	222	111	111	-	-	-	-	-	-
TRIPP	110	15.28	86	54	32	24	13	11	-	-	-	-	-	-
TURNER	121	13.92	120	59	61	1	1	-	-	-	-	-	-	-
UNION	139	13.18	136	59	77	-	-	-	1	1	-	1	-	1
WALWORTH	84	12.62	67	32	35	17	10	7	-	-	-	-	-	-
YANKTON	288	15.32	282	140	142	5	3	2	1	-	1	-	-	-
ZIEBACH	64	25.40	12	6	6	52	21	31	-	-	-	-	-	-

*CRUDE BIRTH RATE IS PER 1,000 POPULATION.

TABLE 6

BIRTHS BY MOTHERS COUNTY OF RESIDENCE AND AGE, 1987

	AGE OF MOTHER																	
	TOTAL		01-14		15-19		20-24		25-29		30-34		35-39		40-44		45-	
	N		N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
SOUTH DAKOTA	11482		9	0	1102	10	3391	30	4036	35	2154	19	624	5	84	1	2	0
AURORA	42		-	-	1	2	12	29	16	38	9	21	3	7	1	2	-	-
BEADLE	261		-	-	29	11	85	33	93	36	37	14	17	7	-	-	-	-
BENNETT	65		-	-	15	23	21	32	16	25	9	14	3	5	1	2	-	-
BON HOMME	91		-	-	6	7	26	29	31	34	16	18	11	12	1	1	-	-
BROOKINGS	323		-	-	22	7	83	26	126	39	71	22	22	7	-	-	-	-
BROWN	601		-	-	46	8	147	24	187	31	102	20	24	5	1	0	-	-
BRULE	82		-	-	7	9	21	26	29	35	17	21	7	9	1	1	-	-
BUFFALO	58		-	-	12	21	24	41	14	24	6	10	2	3	-	-	-	-
BUTTE	123		-	-	13	11	43	35	41	34	20	16	4	3	1	1	-	-
CAMPBELL	29		-	-	1	3	11	38	13	45	2	7	2	7	-	-	-	-
CHARLES MIX	163		-	-	24	15	45	28	46	28	31	19	15	9	2	1	-	-
CLARK	69		-	-	7	10	18	26	29	42	9	13	6	9	-	-	-	-
CLAY	185		-	-	12	7	47	26	53	32	44	27	9	5	-	-	-	-
CODINGTON	340		-	-	21	6	95	28	137	40	61	18	21	6	5	1	-	-
CORSON	96		-	-	20	21	31	32	28	29	11	11	4	4	2	2	-	-
CUSTER	81		-	-	9	11	30	37	18	22	17	21	6	7	-	-	1	1
DAVISON	262		-	-	12	5	82	31	92	35	58	22	18	7	-	-	-	-
DAY	102		-	-	8	8	25	25	44	42	19	19	4	4	2	2	-	-
DEUEL	61		-	-	1	2	24	47	18	35	4	8	4	8	-	-	-	-
DEWEY	154		1	1	28	18	47	31	49	32	18	12	9	6	2	1	-	-
DOUGLAS	65		-	-	6	9	15	23	23	35	19	29	3	5	-	-	-	-
EDMUNDS	61		-	-	2	3	19	31	20	33	19	31	1	2	-	-	-	-
FALL RIVER	80		-	-	19	24	21	26	23	29	10	13	7	9	-	-	-	-
FAULK	43		-	-	3	7	9	21	24	56	5	12	2	5	-	-	-	-
GRANT	121		-	-	15	12	35	29	43	36	18	15	9	7	1	1	-	-
GREGORY	93		-	-	12	13	25	27	28	30	19	20	7	8	2	2	-	-
HAAKON	40		-	-	2	5	9	22	19	47	8	20	1	2	-	-	1	2
HAMLIN	84		-	-	1	1	18	21	28	33	29	35	6	7	2	2	-	-
HAND	52		-	-	3	6	8	15	20	38	9	17	3	6	-	-	-	-
HANSON	39		-	-	1	3	3	8	18	46	10	26	6	15	-	-	-	-
HARDING	36		-	-	3	8	13	36	11	31	8	22	1	3	-	-	-	-
HUGHES	220		-	-	27	12	57	26	80	36	38	17	18	8	-	-	-	-
HUTCHINSON	112		-	-	5	4	28	25	41	37	30	27	7	6	1	1	-	-
HYDE	17		-	-	2	12	5	29	5	29	5	29	-	-	-	-	-	-
JACKSON	77		-	-	9	12	28	36	25	32	9	12	6	8	-	-	-	-
JERAULD	32		-	-	3	9	5	16	14	44	5	16	4	13	1	3	-	-
JONES	20		-	-	3	15	8	40	4	20	4	20	1	5	-	-	-	-
KINGSBURY	86		-	-	6	6	31	35	40	47	16	19	3	4	-	-	-	-
LAKE	145		-	-	6	3	38	26	62	43	33	23	7	5	-	-	-	-
LAWRENCE	278		-	-	28	10	88	32	97	35	46	17	15	5	4	1	-	-
LINCOLN	216		-	-	13	6	50	23	76	35	60	28	13	6	4	2	-	-
LYMAN	97		-	-	12	15	18	27	21	31	12	18	2	3	2	3	-	-
MCCOOK	85		-	-	9	11	22	26	28	31	20	24	6	7	2	2	-	-
MCPHERSON	47		-	-	1	2	15	32	17	36	10	21	3	6	1	2	-	-
MARSHALL	52		-	-	2	4	14	27	29	56	6	12	1	2	-	-	-	-
MEADE	344		1	0	32	9	97	28	122	35	69	20	22	6	1	0	-	-
MELLETTE	44		-	-	11	25	14	32	13	30	4	9	1	2	1	2	-	-
MINER	45		-	-	-	-	12	27	21	47	10	22	1	2	1	2	-	-
MINNEHAHA	1966		1	0	156	8	567	28	752	38	480	20	96	5	10	1	-	-
MOODY	92		-	-	12	13	21	23	30	33	20	22	8	9	1	1	-	-
PENNINGTON	1017		1	0	208	11	614	34	602	33	311	17	72	4	12	1	-	-
PERKINS	49		-	-	1	2	9	18	21	43	16	33	2	4	-	-	-	-
POTTER	39		-	-	2	5	12	31	15	38	9	23	1	3	-	-	-	-
ROBERTS	173		-	-	30	17	60	35	63	21	24	14	6	3	-	-	-	-
SANBORN	42		-	-	1	2	15	36	12	29	11	26	3	7	-	-	-	-
SHANNON	415		2	0	102	25	115	28	110	27	58	14	24	6	4	1	-	-
SPINK	107		-	-	14	13	27	25	41	38	18	17	6	6	2	2	-	-
STANLEY	45		-	-	7	16	18	40	14	31	3	7	1	2	2	4	-	-
SULLY	23		-	-	1	4	8	35	11	48	2	9	-	-	-	-	-	-
TODD	252		1	0	58	23	85	34	86	23	35	14	13	5	4	2	-	-
TRIPP	110		1	1	11	10	42	38	37	34	10	9	8	7	1	1	-	-
TURNER	121		-	-	10	8	31	26	44	36	31	26	4	3	-	-	-	-
UNION	138		1	1	10	7	41	30	47	34	29	21	9	6	2	1	-	-
WALWORTH	84		-	-	6	7	26	31	24	29	21	25	6	7	1	1	-	-
YANKTON	280		-	-	21	7	82	29	110	39	55	19	17	6	3	1	-	-
ZIEBACH	64		-	-	14	22	22	34	18	28	9	14	1	2	-	-	-	-

TABLE 7

RESIDENT BIRTHS BY AGE, RACE AND MARITAL STATUS OF MOTHER, 1987

	TOTAL BIRTHS	MOTHER'S RACE AND MARITAL STATUS					
		WHITE		INDIAN		OTHER	
		MARRIED	UNMARRIED	MARRIED	UNMARRIED	MARRIED	UNMARRIED
TOTAL	11482	8516	1123	589	1106	128	20
MOTHER'S AGE							
13	2	-	1	-	1	-	-
14	7	-	3	-	4	-	-
15	61	2	24	4	30	-	1
16	115	14	41	8	50	1	1
17	199	28	96	3	70	1	1
18	351	104	128	18	97	1	3
19	456	183	134	25	109	4	1
20	496	265	116	30	79	5	1
21	605	394	88	37	75	7	4
22	647	453	81	40	62	11	-
23	800	581	81	53	76	9	-
24	843	678	61	34	61	8	1
25	937	795	38	34	60	8	2
26	894	751	46	43	50	4	-
27	811	690	24	35	46	14	2
28	744	625	28	36	47	8	-
29	650	551	21	31	41	5	1
30	611	524	30	29	21	7	-
31	507	430	16	24	27	10	-
32	427	357	18	16	26	9	1
33	343	287	15	19	17	5	-
34	266	218	10	16	16	6	-
35	198	166	3	12	12	4	1
36	179	154	6	11	8	-	-
37	117	100	4	6	7	-	-
38	78	63	1	5	8	1	-
39	52	42	2	7	1	-	-
40	39	27	3	6	3	-	-
41	19	14	1	4	-	-	-
42	13	9	1	2	1	-	-
43	10	6	2	1	1	-	-
44	3	3	-	-	-	-	-
45	1	1	-	-	-	-	-
46	1	1	-	-	-	-	-

TABLE 8

OUT OF WEDLOCK BIRTHS BY MOTHER'S COUNTY OF RESIDENCE AND RACE, 1987

	TOTAL BIRTHS	UNWED MOTHERS									
		TOTAL NUMBER	TOTAL RATIO	WHITE NUMBER	WHITE RATIO	INDIAN NUMBER	INDIAN RATIO	OTHER NUMBER	OTHER RATIO	UNKNOWN NUMBER	UNKNOWN RATIO
SOUTH DAKOTA	11,482	2,249	195.9	1,123	97.8	1,106	96.3	19	1.7	1	0.1
AURORA	42	1	23.8	1	23.8	-	-	-	-	-	-
BEADLE	261	43	164.8	38	152.9	4	800.0	-	-	-	-
BENNETT	65	28	430.8	5	166.7	23	657.1	-	-	-	-
BON HOMME	91	9	98.9	5	57.5	4	1000.0	-	-	-	-
BROOKINGS	323	27	83.6	24	78.4	2	400.0	1	83.3	-	-
BROWN	501	77	153.7	64	134.7	13	541.7	-	-	-	-
BRULE	82	15	182.9	8	111.1	7	875.0	-	-	-	-
BUFFALO	58	34	586.2	-	-	34	708.3	-	-	-	-
BUTTE	122	28	229.5	27	223.1	1	1000.0	-	-	-	-
CAMPBELL	29	3	103.4	3	103.4	-	-	-	-	-	-
CHARLES MIX	163	53	325.2	10	100.0	43	682.5	-	-	-	-
CLARK	69	10	144.9	10	144.9	-	-	-	-	-	-
CLAY	165	17	103.0	12	77.4	4	500.0	1	500.0	-	-
CODINGTON	340	43	126.5	37	111.8	6	666.7	-	-	-	-
CORSON	96	39	406.3	-	-	39	590.9	-	-	-	-
CUSTER	81	13	160.5	12	150.0	1	1000.0	-	-	-	-
DAVISON	262	31	118.3	25	99.6	6	666.7	-	-	-	-
DAY	102	14	137.3	6	71.4	8	470.6	-	-	-	-
DEUEL	51	7	137.3	7	137.3	-	-	-	-	-	-
DEWEY	154	73	474.0	2	55.6	71	601.7	-	-	-	-
DOUGLAS	65	1	15.4	1	15.4	-	-	-	-	-	-
EDMUNDS	61	2	32.8	2	32.8	-	-	-	-	-	-
FALL RIVER	90	20	250.0	15	205.5	5	714.3	-	-	-	-
FAULK	43	-	-	-	-	-	-	-	-	-	-
GRANT	121	15	124.0	15	124.0	-	-	-	-	-	-
GREGORY	93	17	182.8	9	108.4	8	800.0	-	-	-	-
HAAKON	40	4	100.0	3	78.9	1	500.0	-	-	-	-
HAMLIN	84	4	47.6	4	47.6	-	-	-	-	-	-
HAND	52	3	57.7	3	58.8	-	-	-	-	-	-
HANSON	39	2	51.3	2	51.3	-	-	-	-	-	-
HARDING	35	2	55.6	2	57.1	-	-	-	-	-	-
HUGHES	220	44	200.0	28	147.4	16	551.7	-	-	-	-
HUTCHINSON	112	4	35.7	4	35.7	-	-	-	-	-	-
HYDE	17	2	117.6	1	62.5	1	1000.0	-	-	-	-
JACKSON	77	34	441.6	2	69.0	32	866.7	-	-	-	-
JERAULD	32	3	93.8	3	93.8	-	-	-	-	-	-
JONES	20	2	100.0	1	55.6	1	500.0	-	-	-	-
KINGSBURY	85	5	58.8	5	58.8	-	-	-	-	-	-
LAKE	146	12	82.8	12	83.9	-	-	-	-	-	-
LAWRENCE	278	48	172.7	41	154.1	7	636.4	-	-	-	-
LINCOLN	216	18	83.3	18	83.3	-	-	-	-	-	-
LYMAN	67	27	403.0	5	151.5	22	647.1	-	-	-	-
MCCOOK	85	9	105.9	9	107.1	-	-	-	-	-	-
MCPHERSON	47	1	21.3	1	21.3	-	-	-	-	-	-
MARSHALL	52	9	173.1	7	148.9	2	400.0	-	-	-	-
MEADE	344	40	116.3	37	112.8	1	125.0	2	250.0	-	-
MELLETTE	44	23	522.7	2	117.6	21	777.8	-	-	-	-
MINER	45	3	66.7	3	66.7	-	-	-	-	-	-
MINNEHAHA	1,966	276	140.4	237	125.1	32	680.9	7	280.0	-	-
MOODY	92	11	119.6	9	97.6	3	333.3	-	-	-	-
PENNINGTON	1,817	351	193.2	208	137.2	136	621.0	7	86.4	-	-
PERKINS	49	2	40.8	2	40.8	-	-	-	-	-	-
POTTER	39	8	205.1	8	222.2	-	-	-	-	-	-
ROBERTS	173	57	329.5	5	54.3	51	637.5	1	1000.0	-	-
SANBORN	42	-	-	-	-	-	-	-	-	-	-
SHANNON	415	286	689.2	1	90.9	285	708.4	-	-	-	-
SPINK	107	13	121.5	13	121.5	-	-	-	-	-	-
STANLEY	45	12	266.7	10	243.9	2	500.0	-	-	-	-
SULLY	23	1	43.5	1	45.5	-	-	-	-	-	-
TODD	252	151	599.2	3	100.0	148	666.7	-	-	-	-
TRIPP	110	31	281.8	18	209.3	13	541.7	-	-	-	-
TURNER	121	8	66.1	8	66.7	-	-	-	-	-	-
UNION	138	23	166.7	22	161.8	-	-	-	-	1	1000.0
WALWORTH	84	27	321.4	12	179.1	15	882.4	-	-	-	-
YANKTON	288	38	131.9	33	117.0	5	1000.0	-	-	-	-
ZIEBACH	64	35	546.9	2	166.7	33	634.6	-	-	-	-

FIGURE 1

PERCENT OF BIRTHS OUT OF WEDLOCK
BY RACE, 1970-1987

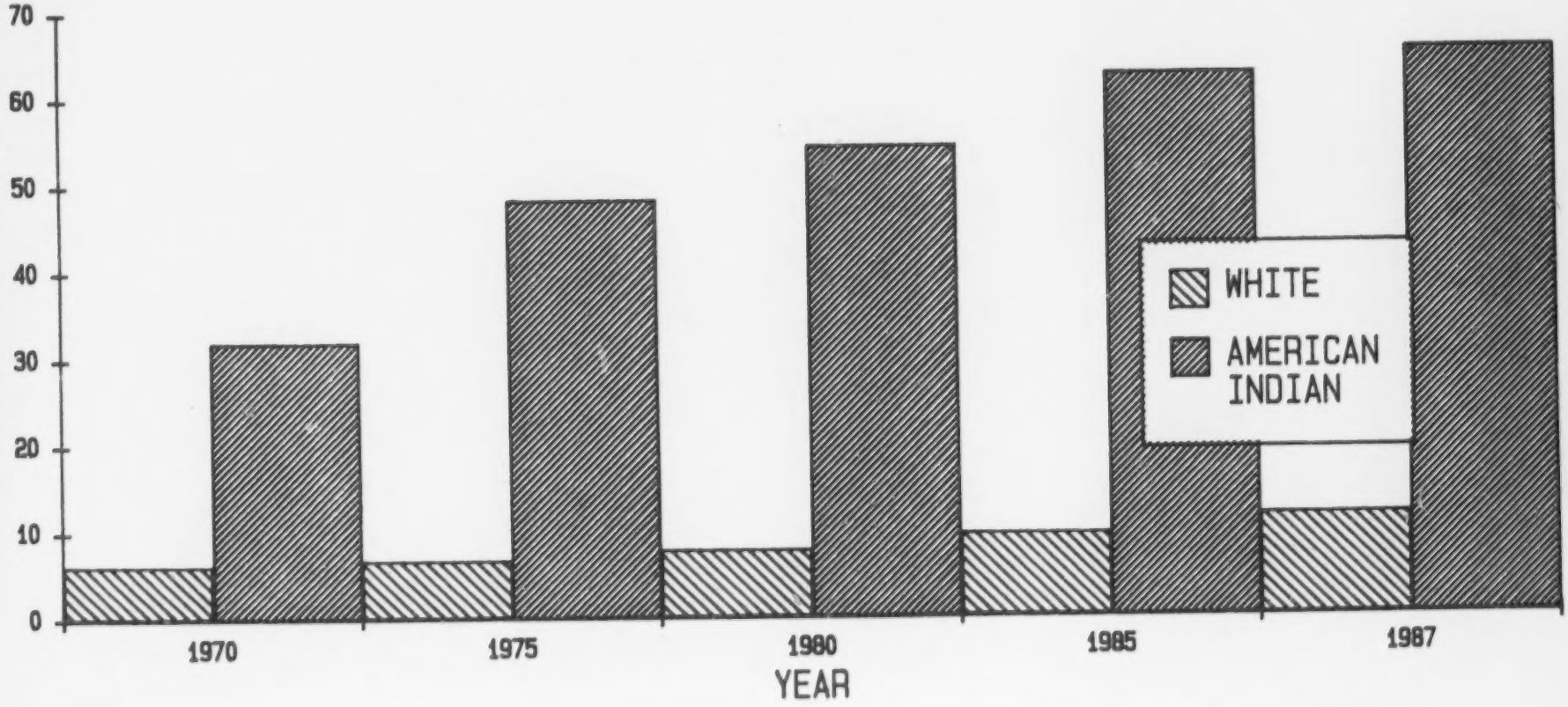


FIGURE 2

PERCENT OF BIRTHS OUT OF WEDLOCK
BY AGE OF MOTHER, 1970-1987

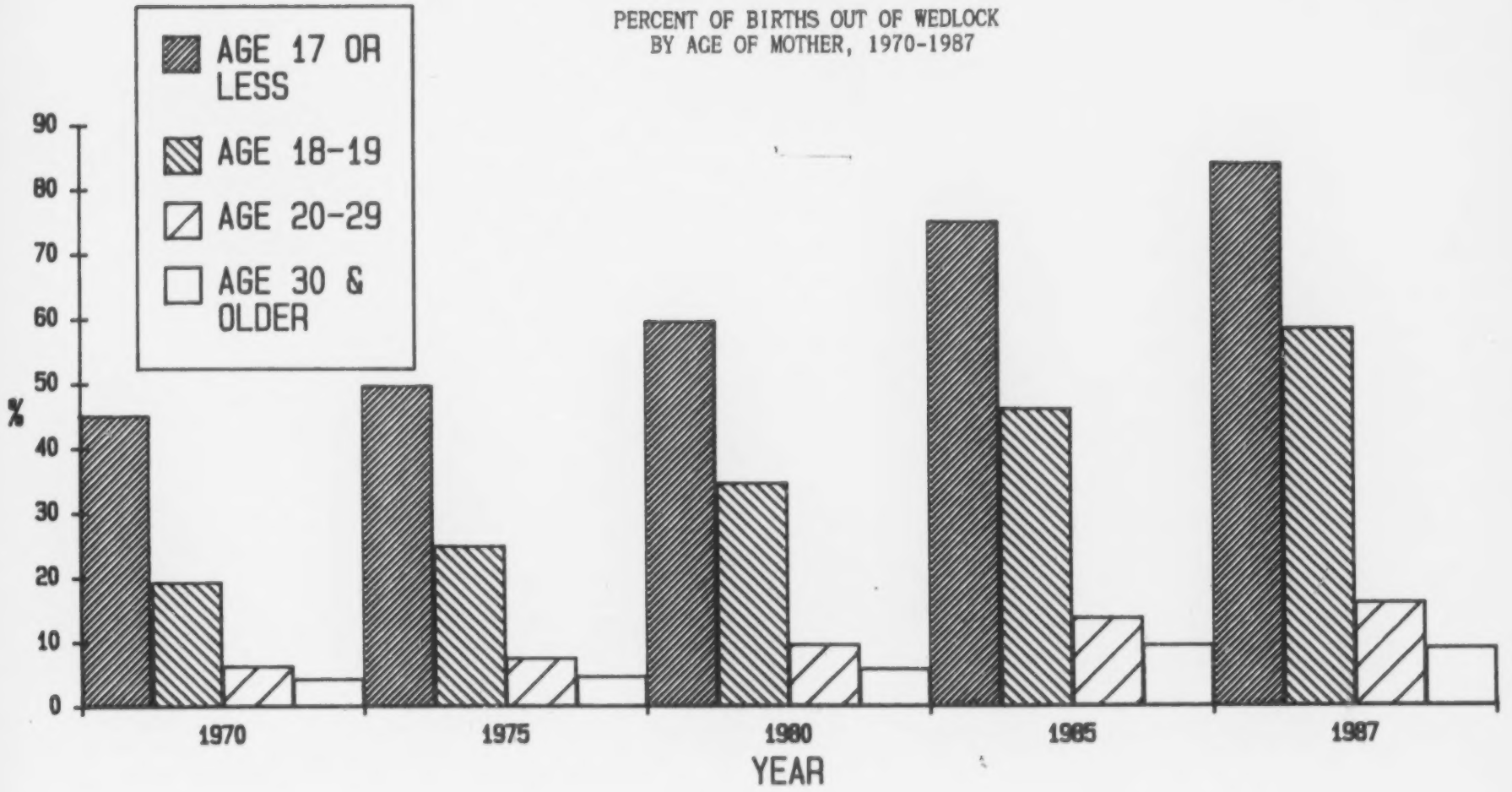


TABLE 9

SINGLE LIVE BIRTHS BY AGE AND RACE OF MOTHER AND MONTH PRENATAL CARE BEGAN, 1987

			MONTH PRENATAL CARE BEGAN										
		TOTAL*	NONE	1	2	3	4	5	6	7	8	9	NOT STATED
TOTAL		11255	191	1093	4277	2978	1189	884	371	241	184	82	33
MOTHER'S RACE	TOTAL												
WHITE		9487	71	1006	3983	2602	986	810	330	145	90	38	26
INDIAN		1654	109	80	429	325	205	165	128	92	83	34	4
OTHER		141	1	7	44	51	17	9	7	3	1	1	-
UNKNOWN		3	-	-	1	-	-	-	-	1	-	-	1
TOTAL	MOTHER'S AGE												
	01-14	9	-	-	1	2	1	3	2	-	1	-	-
	15-19	1174	39	76	344	262	199	144	91	58	41	15	7
	20-24	3325	63	295	1304	881	370	226	135	72	52	23	8
	25-29	3961	46	430	1638	1133	327	189	78	58	35	13	7
	30-34	2100	19	219	935	538	201	86	43	32	21	11	5
	35-39	614	13	63	239	148	77	38	17	10	12	2	2
	40-44	80	3	3	26	15	14	7	4	6	3	-	1
	45+	2	-	-	-	1	-	-	1	-	-	-	-
MOTHER'S RACE	MOTHER'S AGE												
WHITE	01-14	4	-	-	1	1	-	1	1	-	-	-	-
	15-19	750	15	59	180	176	132	86	48	32	11	4	6
	20-24	2750	26	266	1027	774	306	178	90	41	28	11	3
	25-29	3510	17	416	1499	1030	304	140	61	39	28	7	9
	30-34	1850	8	206	883	477	167	76	29	19	14	6	3
	35-39	631	4	58	219	130	65	23	13	10	7	1	1
	40-44	82	1	2	20	13	12	6	3	4	-	-	1
	45+	2	-	-	-	1	-	-	1	-	-	-	-
INDIAN	01-14	5	-	-	-	1	1	1	1	-	1	-	-
	15-19	410	23	16	60	84	65	55	40	25	29	11	2
	20-24	631	37	28	162	92	69	46	42	30	24	10	1
	25-29	400	27	19	129	83	39	46	26	19	15	6	-
	30-34	204	11	12	66	48	29	11	14	11	7	6	-
	35-39	77	9	4	17	18	11	8	4	8	8	1	1
	40-44	18	2	1	6	2	2	1	1	2	2	-	-
OTHER	15-19	14	-	1	2	2	1	2	2	1	1	-	-
	20-24	42	-	1	14	15	5	2	3	1	-	1	-
	25-29	42	1	3	10	20	4	3	1	-	-	-	-
	30-34	37	-	1	15	13	6	1	-	1	-	-	-
	35-39	6	-	1	3	1	1	-	-	-	-	-	-
UNKNOWN	20-24	2	-	-	1	-	-	-	-	-	-	-	1
	30-34	1	-	-	-	-	-	-	-	1	-	-	-

*FOR TABULATION OF PRENATAL CARE, THOSE PREGNANCIES THAT RESULTED IN A LIVE BIRTH ARE COUNTED. MULTIPLE BIRTHS HAVE BEEN CONSIDERED AS ONE PREGNANCY.

FIGURE 3

TRIMESTER PRENATAL CARE BEGAN, BY RACE, 1987

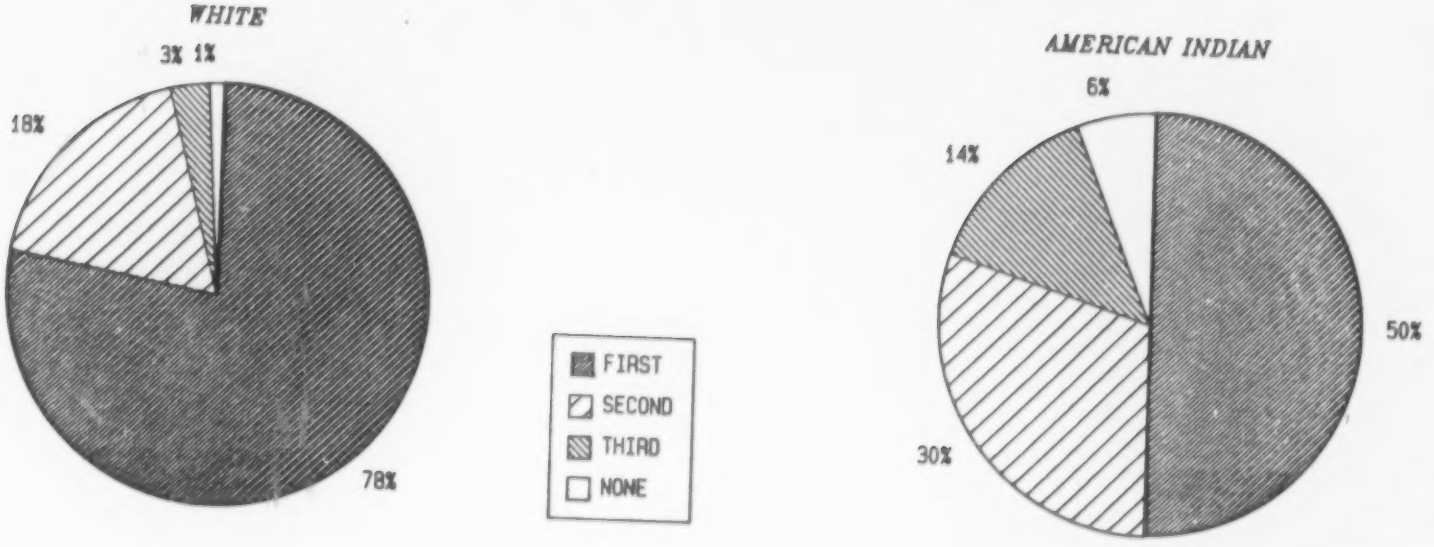


TABLE 10

TRIMESTER PRENATAL CARE BEGAN BY MOTHER'S COUNTY OF RESIDENCE, 1987

	TOTAL*	PRENATAL CARE									
		FIRST TRIMESTER		SECOND TRIMESTER		THIRD TRIMESTER		NO PRENATAL CARE		NOT STATED	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
SOUTH DAKOTA	11780	8648	74	2243	20	488	4	181	2	35	1
AURORA	42	37	88	5	12	-	-	-	-	-	-
BEADLE	357	183	71	62	24	11	4	1	0	1	2
BENNETT	65	41	63	9	14	8	12	6	9	1	1
BON HOMME	91	64	70	21	23	4	4	1	1	1	-
BROOKINGS	315	276	88	32	10	7	2	-	-	-	-
BROWN	491	304	74	101	21	19	4	7	1	-	-
BRULE	80	62	77	15	19	2	3	1	1	-	-
BUFFALO	58	39	70	11	20	3	4	4	7	-	-
BUTTE	118	84	71	29	25	3	3	3	2	-	-
CAMPBELL	39	23	70	6	17	1	3	-	-	-	-
CHARLES MIX	161	103	64	49	30	10	6	-	-	-	-
CLARK	67	38	57	24	36	5	7	-	-	-	-
CLAY	181	141	88	17	11	2	1	1	1	-	-
CODINGTON	338	233	70	89	27	12	4	2	0	-	-
CORSON	96	60	63	23	24	9	9	3	3	1	1
CUSTER	78	50	63	20	25	5	6	3	4	-	-
DAVISON	288	207	80	62	16	9	3	1	0	1	0
DAY	102	71	70	28	27	2	2	1	1	-	-
DEUEL	81	30	50	16	31	4	8	-	-	1	2
DEWEY	152	84	65	41	27	20	13	7	5	-	-
DOUGLAS	63	56	89	5	8	-	-	-	-	2	3
EDMUNDS	80	42	70	13	22	5	8	-	-	-	-
FALL RIVER	78	42	54	23	29	7	9	5	6	1	1
FAULK	43	28	65	11	26	4	9	-	-	-	-
GRANT	117	88	80	17	15	3	3	2	2	1	1
GREGORY	91	64	70	20	22	4	4	2	2	1	1
HAAKON	38	27	71	10	26	-	-	1	3	-	-
HAMLIN	84	58	67	22	26	6	7	-	-	-	-
HAND	62	38	61	15	24	2	4	-	-	-	-
HANSON	39	30	77	7	18	1	3	-	-	1	3
HARDING	34	23	74	7	21	2	6	-	-	-	-
HUGHES	230	169	76	48	19	9	4	2	1	-	-
HUTCHINSON	112	94	89	17	15	1	1	-	-	-	-
HYDE	15	10	67	4	27	1	7	-	-	-	-
JACKSON	73	42	68	23	32	3	3	6	8	-	-
JERAULD	30	16	53	11	37	3	10	-	-	-	-
JONES	20	11	65	8	40	1	5	-	-	-	-
KINGSBURY	86	65	76	17	20	3	4	-	-	-	-
LAKE	143	131	86	17	12	4	3	-	-	-	-
LAWRENCE	276	228	83	36	13	8	3	8	3	-	-
LINCOLN	250	170	68	59	24	3	1	-	-	-	-
LYMAN	87	53	79	8	12	3	4	3	4	-	-
MCCOOK	81	62	77	19	23	2	2	-	-	-	-
MCPHERSON	47	30	81	7	15	2	4	-	-	-	-
MARSHALL	80	33	68	12	24	5	10	-	-	-	-
MEADE	343	257	75	70	20	8	2	7	2	-	-
MELLETTE	42	23	54	15	36	4	10	-	-	-	-
MINER	63	36	84	6	14	-	-	1	2	-	-
MINNEHAHA	1930	1646	90	230	12	35	1	10	1	1	0
MOODY	90	65	72	20	22	5	6	-	-	-	-
PENNINGTON	1780	1377	89	437	24	87	5	28	1	3	0
PERKINS	45	35	78	6	13	3	7	1	2	-	-
POTTER	39	30	77	7	18	2	5	-	-	-	-
ROBERTS	173	138	73	32	18	11	6	1	1	3	2
SANBORN	40	32	80	8	20	-	-	-	-	-	-
SHANNON	411	284	58	111	27	64	13	42	10	-	-
SPINK	127	88	64	33	31	6	6	1	1	-	-
STANLEY	43	30	70	10	23	1	2	2	5	-	-
SULLY	23	17	74	5	22	1	4	-	-	-	-
TODD	240	165	69	73	30	22	9	6	2	-	-
TRIPP	108	76	70	28	26	4	4	-	-	-	-
TURNER	115	96	83	19	17	1	1	-	-	-	-
UNION	136	100	74	22	16	7	5	1	1	6	4
WALWORTH	81	52	64	22	27	6	8	1	1	1	1
YANKTON	288	250	87	32	11	3	1	3	1	-	-
ZIEBACH	60	33	55	17	28	7	12	3	5	-	-

* FOR TABULATION OF PRENATAL CARE, THOSE PREGNANCIES THAT RESULTED IN A LIVE BIRTH ARE COUNTED. MULTIPLE BIRTHS HAVE BEEN CONSIDERED AS ONE PREGNANCY.

TABLE 11

PRENATAL CARE VISITS BY MOTHER'S COUNTY OF RESIDENCE, 1987

	TOTAL BIRTHS*	PRENATAL VISITS											
		NO VISITS		1-5 VISITS		6-10 VISITS		11-15 VISITS		16 OR MORE VISITS		NOT STATED	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
SOUTH DAKOTA	11986	181	2	968	9	4131	37	5191	46	762	7	33	0
AURORA	42	-	-	-	-	14	33	24	57	4	10	-	-
BEADLE	297	1	0	19	7	119	46	105	41	14	5	-	-
BENNETT	68	6	9	17	26	22	34	15	23	4	6	1	2
BON HOMME	91	1	1	10	11	38	42	38	42	3	3	1	1
BROOKINGS	315	-	-	11	3	171	54	123	39	10	3	-	-
BROWN	491	7	1	19	4	189	38	251	51	25	5	-	-
BRULE	80	1	1	9	11	28	35	37	46	5	6	-	-
BUFFALO	56	4	7	10	18	22	39	9	16	3	5	-	-
BUTTE	116	2	2	10	8	57	48	46	39	3	3	-	-
CAMPBELL	29	-	-	2	7	12	41	14	48	1	3	-	-
CHARLES MIX	161	-	-	29	18	74	46	54	34	4	2	-	-
CLARK	87	-	-	15	22	33	49	19	28	-	-	-	-
CLAY	161	1	1	4	3	54	34	86	53	14	9	2	1
CODINGTON	295	1	0	36	11	100	48	139	36	17	5	1	0
CORSON	98	3	3	39	41	41	43	12	13	-	-	1	1
CUSTER	79	3	4	10	13	30	38	33	42	3	3	1	1
DAVISON	252	1	0	23	9	80	34	109	43	35	14	-	-
DAY	102	1	1	8	8	47	46	45	44	1	1	-	-
DEUEL	81	-	-	5	12	28	56	14	27	1	2	2	4
DEWEY	152	7	5	31	20	60	39	46	30	6	4	2	1
DOUGLAS	63	-	-	6	10	28	44	29	46	-	-	-	-
EDMUNDS	60	-	-	13	22	20	33	23	38	4	7	-	-
FALL RIVER	79	5	6	8	10	43	54	20	25	3	4	-	-
FAULK	43	-	-	10	23	18	42	14	33	1	2	-	-
GRANT	117	2	2	4	3	54	46	54	46	1	1	2	2
GREGORY	91	2	2	5	5	45	49	36	40	2	2	1	1
HAAKON	38	1	3	2	5	17	45	17	45	1	3	-	-
HAMLIN	88	-	-	7	8	31	61	22	25	4	5	-	-
HAND	62	-	-	4	6	28	84	10	29	6	10	-	-
HANSON	39	-	-	3	8	15	38	15	38	5	13	1	3
HARDING	34	-	-	5	15	17	50	11	32	1	3	-	-
HUGHES	210	2	1	16	8	86	36	104	50	33	16	-	-
HUTCHINSON	112	-	-	17	15	41	37	49	44	5	4	-	-
HYDE	15	-	-	1	7	7	47	7	47	-	-	-	-
JACKSON	93	6	9	24	33	27	37	12	16	4	5	-	-
JERAULD	30	-	-	4	13	9	33	16	60	4	13	-	-
JONES	10	-	-	1	8	8	40	11	58	-	-	-	-
KINGSBURY	85	-	-	5	6	48	56	29	34	3	4	-	-
LAKE	143	-	-	10	7	60	42	70	49	3	2	-	-
LAWRENCE	276	9	3	11	4	105	37	127	46	27	10	-	-
LINCOLN	200	-	-	3	1	43	21	132	66	22	11	-	-
LYMAN	67	3	4	9	13	33	49	17	25	5	7	-	-
MCCOOK	81	-	-	2	2	34	30	56	62	5	6	-	-
MCPHERSON	47	-	-	5	11	14	30	24	51	4	9	-	-
MARSHALL	60	-	-	9	15	20	40	28	48	1	2	-	-
MEADE	242	7	3	19	8	132	39	151	44	33	9	1	0
MELLETTE	42	-	-	9	21	24	57	8	19	1	2	-	-
MINER	43	1	2	-	-	18	42	23	53	1	2	-	-
MINNEHAHA	1030	10	1	37	3	444	33	1239	84	190	10	1	0
MOODY	98	-	-	9	9	30	30	48	53	4	4	-	-
PENNINGTON	1789	25	1	117	7	615	34	885	50	129	7	5	0
PERKINS	48	1	2	6	13	21	49	9	16	-	-	-	-
POTTER	39	-	-	2	5	21	54	16	41	-	-	-	-
ROBERTS	173	1	1	23	13	80	51	53	31	7	4	2	1
SANBORN	48	-	-	1	2	15	39	21	52	3	7	-	-
SHANNON	411	42	10	136	33	148	35	76	18	12	3	1	0
SPINK	107	1	1	11	10	45	42	48	45	2	2	-	-
STANLEY	42	2	5	1	2	7	16	28	66	0	12	-	-
SULLY	23	-	-	1	4	9	39	11	48	2	9	-	-
TODD	248	6	2	35	14	116	47	74	30	15	6	-	-
TRIPP	100	-	-	10	9	49	37	61	47	7	6	-	-
TURNER	115	-	-	2	2	38	33	68	60	16	13	6	4
UNION	138	1	1	6	4	39	28	68	50	14	10	1	1
WALWORTH	81	1	1	9	11	36	44	28	35	6	7	-	-
YANKTON	288	5	1	11	4	107	37	142	49	23	8	-	-
ZIEBACH	60	2	3	27	45	21	35	8	13	1	2	-	-

* FOR TABULATION OF PRENATAL CARE, TWINS FROM PREGNANCIES THAT RESULTED IN A LIVE BIRTH ARE COUNTED. MULTIPLE BIRTHS HAVE BEEN CONSIDERED AS ONE PREGNANCY.

TABLE 12

TRIMESTER PRENATAL CARE BY MOTHER'S RACE, MARITAL STATUS AND EDUCATION, 1987

		TOTAL[a]	PRENATAL CARE									
			FIRST TRIMESTER		SECOND TRIMESTER		THIRD TRIMESTER		NO PRENATAL CARE		NOT STATED	
		NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL		11388	8348		2243		488		181		25	
WHITE	MARITAL STATUS											
	MARRIED	8358	6804	81	1331	16	170	2	40	0	13	0
	UNMARRIED	1189	607	55	381	34	83	7	31	3	7	1
	MOTHER'S EDUCATION											
	8 YEARS OR LESS	222	83	37	101	45	34	15	2	1	2	1
	9-12 YEARS	4445	3273	74	963	22	107	4	48	1	5	0
	13-16 YEARS	4356	3678	84	600	14	52	1	21	0	5	0
	OVER 16 YEARS	415	366	88	40	10	7	2	-	-	2	0
	UNKNOWN	33	11	39	8	29	3	11	-	-	6	21
INDIAN	MOTHER'S MARITAL STATUS											
	MARRIED	577	388	62	147	25	35	10	10	3	1	0
	UNMARRIED	1077	474	44	351	33	104	10	36	9	2	0
	MOTHER'S EDUCATION											
	8 YEARS OR LESS	123	51	41	44	36	14	11	13	11	1	1
	9-12 YEARS	1259	615	49	380	31	171	14	86	7	3	0
	13-16 YEARS	255	158	62	69	27	20	8	8	3	-	-
	OVER 16 YEARS	7	6	86	1	14	-	-	-	-	-	-
	UNKNOWN	10	4	40	-	-	4	40	2	20	-	-
OTHER	MOTHER'S MARITAL STATUS											
	MARRIED	132	91	75	29	24	2	2	-	-	-	-
	UNMARRIED	19	11	58	4	21	3	16	1	5	-	-
	MOTHER'S EDUCATION											
	8 YEARS OR LESS	6	2	33	4	67	-	-	-	-	-	-
	9-12 YEARS	66	38	58	21	32	5	8	1	2	-	-
	13-16 YEARS	61	53	87	8	13	-	-	-	-	-	-
	OVER 16 YEARS	9	9	100	-	-	-	-	-	-	-	-
UNKNOWN	MARRIED	2	1	50	-	-	1	50	-	-	-	-
	UNMARRIED	1	-	-	-	-	-	-	-	-	1	100
	MOTHER'S EDUCATION											
	UNKNOWN	3	1	33	-	-	1	33	-	-	1	33

a FOR TABULATION OF PRENATAL CARE, THOSE PREGNANCIES THAT RESULTED IN A LIVE BIRTH ARE COUNTED. MULTIPLE BIRTHS HAVE BEEN CONSIDERED AS ONE PREGNANCY.

FIGURE 4

TRIMESTER PRENATAL CARE BEGAN BY MARITAL STATUS, 1987

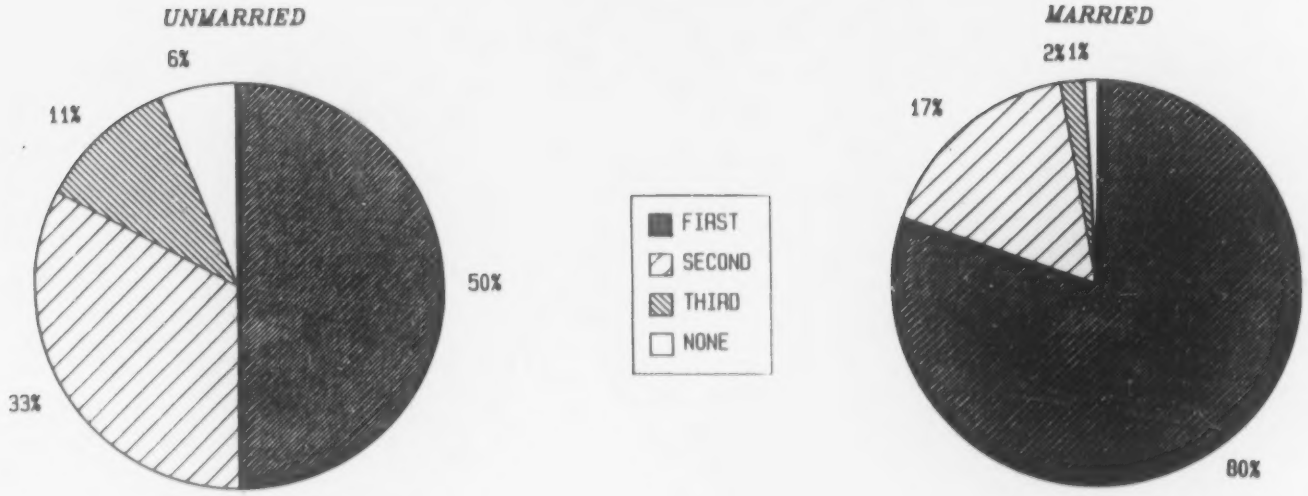


FIGURE 5

TRIMESTER PRENATAL CARE BEGAN BY MOTHER'S EDUCATION, 1987

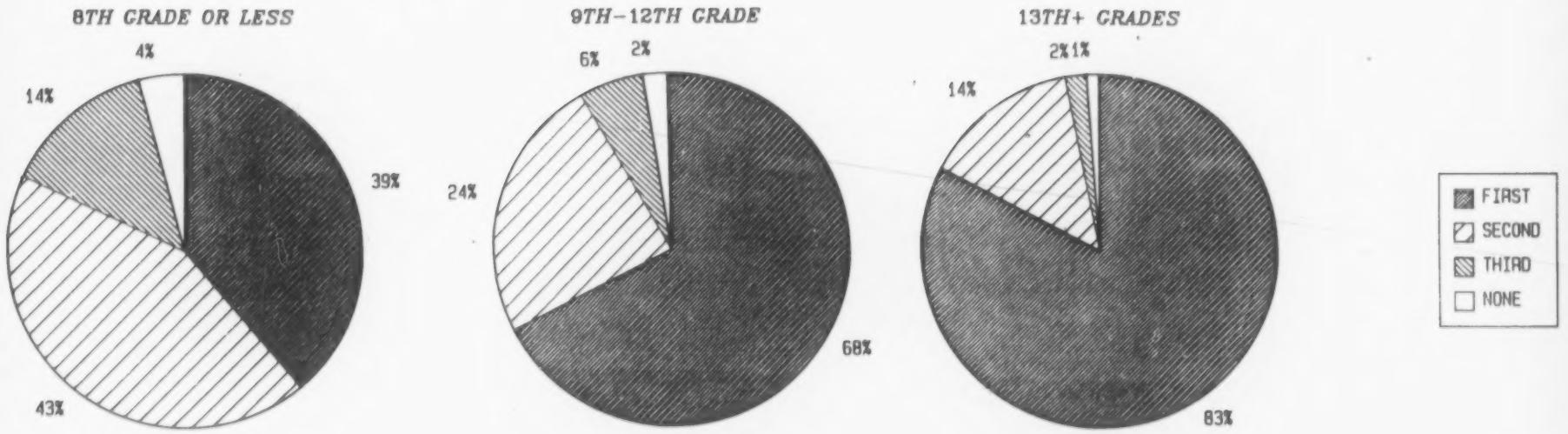


TABLE 13

BIRTHS BY MOTHER'S COUNTY OF RESIDENCE AND BABY'S BIRTH WEIGHT, 1987

	TOTAL	BIRTH WEIGHT IN GRAMS											
		499 OR LESS	500 999	1,000 1,499	1,500 1,999	2,000 2,499	2,500 2,999	3,000 3,499	3,500 3,999	4,000 4,499	4,500 4,999	5,000 OR MORE	UNK.
SOUTH DAKOTA	11482	11	46	52	122	360	1485	4053	3816	1290	212	30	6
AURORA	42	-	-	-	-	2	8	13	12	6	2	-	-
BEADLE	261	-	1	2	2	8	27	91	81	35	3	1	-
BENNETT	65	-	1	-	-	1	13	19	24	6	2	-	-
BON HOMME	91	-	1	-	2	-	15	28	28	12	5	-	-
BROOKINGS	323	-	1	1	2	7	33	118	111	43	7	-	-
BROWN	501	-	2	3	6	13	66	178	144	75	9	5	-
BRULE	92	-	-	-	-	1	9	30	32	5	5	-	-
BUFFALO	58	-	-	-	-	-	9	18	26	3	1	1	-
BUTTE	122	-	1	4	1	7	16	59	26	14	2	1	-
CAMPBELL	29	-	-	-	-	1	4	9	9	5	1	-	-
CHARLES MIX	163	-	1	2	-	4	25	51	53	24	3	-	-
CLARK	59	-	2	-	3	2	7	24	23	6	2	-	-
CLAY	165	-	1	-	2	6	18	66	56	24	1	1	-
CODINGTON	340	1	1	-	2	12	45	134	108	40	7	-	-
CORSON	98	-	-	-	1	3	11	34	33	13	1	-	1
CUSTER	81	-	-	-	3	1	18	32	19	7	1	-	-
DAVISON	262	-	3	-	2	9	18	99	77	47	6	1	-
DAY	102	-	-	-	-	1	15	37	30	17	2	-	-
DEUEL	51	-	-	-	2	3	2	12	22	7	3	-	-
DEWEY	154	-	3	1	4	4	21	54	47	18	2	-	-
DOUGLAS	65	-	1	-	2	1	5	18	30	7	1	-	-
EDMUNDS	61	-	1	1	-	1	8	22	22	6	-	-	-
FALL RIVER	89	-	-	-	1	3	10	30	32	3	1	-	-
FAULK	43	-	-	-	-	2	5	13	14	9	-	-	-
GRANT	121	1	-	1	1	2	18	41	35	18	4	-	-
GREGORY	93	-	-	-	1	1	10	37	34	10	-	-	-
HAAKON	40	-	-	-	1	1	4	17	13	4	-	-	-
HAMLIN	84	-	1	-	-	4	9	21	32	12	3	2	-
HAND	52	-	-	-	-	1	3	17	28	3	-	-	-
HANSON	39	-	-	-	-	1	3	10	16	7	1	1	-
HARDING	26	-	-	-	-	1	9	11	11	3	1	-	-
HUGHES	220	1	1	-	3	13	29	77	71	22	3	-	-
HUTCHINSON	112	-	-	-	-	2	12	46	30	21	1	-	-
HYDE	17	-	-	-	-	-	2	7	7	-	1	-	-
JACKSON	77	-	-	3	2	3	10	27	26	3	3	-	-
JERAULD	32	-	-	-	-	1	5	14	9	3	-	-	-
JONES	20	-	-	-	-	-	3	8	7	2	-	-	-
KINGSBURY	85	-	-	-	2	2	6	24	30	12	-	-	-
LAKE	145	-	-	-	1	7	19	50	46	19	4	-	-
LAWRENCE	278	-	1	-	2	20	27	107	89	27	3	2	-
LINCOLN	216	-	-	1	4	3	39	74	77	14	4	-	-
LYMAN	67	-	-	-	-	5	11	31	20	9	-	1	-
MCCOOK	85	-	1	-	-	3	10	28	33	8	2	-	-
MCPHERSON	47	-	-	-	-	-	4	20	19	3	1	-	-
MARSHALL	52	-	2	-	1	2	6	18	18	3	2	-	-
MEADE	344	-	-	3	4	13	43	117	125	36	4	-	-
MELLETTE	44	-	-	-	-	4	5	11	19	2	3	-	-
MINER	48	-	-	1	1	-	3	11	21	7	1	-	-
MINNEHAHA	1966	3	8	9	18	62	264	741	665	213	39	4	-
MOODY	92	-	1	2	3	1	7	21	30	8	4	-	-
PENNINGTON	1817	3	5	8	20	89	286	620	627	164	19	6	-
PERKINS	49	2	1	1	-	3	4	17	15	4	2	-	-
POTTER	39	-	-	-	-	1	3	17	9	9	-	-	-
ROBERTS	173	-	1	-	1	6	19	54	68	19	3	1	1
SANBORN	42	-	-	-	-	1	3	18	16	4	-	-	-
SHANNON	415	-	1	4	4	16	46	149	141	39	12	-	1
SPINK	107	-	-	1	-	2	14	36	33	16	4	-	-
STANLEY	45	-	2	-	-	1	6	20	13	1	3	-	-
SULLY	23	-	-	1	-	2	2	9	8	1	-	-	-
TODD	202	-	-	2	3	10	28	84	81	40	4	-	-
TRIPP	110	-	-	-	3	5	13	43	39	7	-	-	-
TURNER	121	-	-	-	4	-	18	46	35	12	2	-	-
UNION	138	-	-	1	-	-	17	60	45	16	2	3	3
WALWORTH	84	-	-	-	3	2	11	27	20	10	2	-	-
YANKTON	208	-	1	-	5	8	25	99	101	41	7	-	-
ZIEBACH	64	-	-	-	1	-	11	19	24	9	1	1	-

TABLE 14

LOW BIRTH WEIGHT BABIES BY MOTHER'S COUNTY OF RESIDENCE AND RACE, 1987
(UNDER 2,500 GRAMS)

	TOTAL	PERCENT	WHITE NUMBER	WHITE PERCENT	INDIAN NUMBER	INDIAN PERCENT	OTHER NUMBER	OTHER PERCENT	UNKNOWN NUMBER	UNKNOWN PERCENT
SOUTH DAKOTA	591	5.1	480	5.0	104	6.1	7	4.8	0	
AURORA	2	4.8	2	4.8	-	-	-	-	-	-
BEADLE	13	5.0	13	5.1	-	-	-	-	-	-
BENNETT	2	3.1	1	3.3	1	2.9	-	-	-	-
BON HOMME	3	3.3	3	3.4	-	-	-	-	-	-
BROOKINGS	11	3.4	9	2.9	2	40.0	-	-	-	-
BROWN	24	4.8	24	5.1	-	-	-	-	-	-
BRULE	1	1.2	-	-	-	-	1	50.0	-	-
BUFFALO	-	-	-	-	-	-	-	-	-	-
BUTTE	13	10.7	13	10.7	-	-	-	-	-	-
CAMPBELL	1	3.4	1	3.4	-	-	-	-	-	-
CHARLES MIX	7	4.3	3	3.0	4	6.3	-	-	-	-
CLARK	7	10.1	7	10.1	-	-	-	-	-	-
CLAY	9	6.5	9	6.8	-	-	-	-	-	-
CODDINGTON	16	4.7	16	4.8	-	-	-	-	-	-
CORSON	3	3.1	-	-	3	4.5	-	-	-	-
CUSTER	4	4.9	4	5.0	-	-	-	-	-	-
DAVISON	14	6.3	13	5.2	1	11.1	-	-	-	-
DAY	1	1.0	1	1.2	-	-	-	-	-	-
DEUEL	5	9.8	5	9.8	-	-	-	-	-	-
DEWEY	12	7.8	1	2.8	11	9.3	-	-	-	-
DOUGLAS	4	6.2	4	6.2	-	-	-	-	-	-
EDMUNDS	3	4.9	3	4.9	-	-	-	-	-	-
FALL RIVER	4	5.0	4	5.6	-	-	-	-	-	-
FAULK	2	4.7	2	4.7	-	-	-	-	-	-
GRANT	5	4.1	5	4.1	-	-	-	-	-	-
GREGORY	2	2.2	2	2.4	-	-	-	-	-	-
HAAKON	2	5.0	2	5.3	-	-	-	-	-	-
HAMLIN	5	6.0	5	6.0	-	-	-	-	-	-
HAND	1	1.9	1	2.0	-	-	-	-	-	-
HANSON	1	2.6	1	2.6	-	-	-	-	-	-
HARDING	1	2.8	1	2.9	-	-	-	-	-	-
HUGHES	18	8.2	14	7.4	3	10.3	1	100.0	-	-
HUTCHINSON	2	1.8	2	1.8	-	-	-	-	-	-
HYDE	-	-	-	-	-	-	-	-	-	-
JACKSON	8	10.4	2	6.9	6	12.5	-	-	-	-
JERAULD	1	3.1	1	3.1	-	-	-	-	-	-
JONES	-	-	-	-	-	-	-	-	-	-
KINGSBURY	4	4.7	4	4.7	-	-	-	-	-	-
LAKE	6	5.5	6	5.6	-	-	-	-	-	-
LAWRENCE	23	8.3	22	8.3	1	9.1	-	-	-	-
LINCOLN	8	3.7	8	3.7	-	-	-	-	-	-
LYMAN	5	7.5	-	-	5	14.7	-	-	-	-
MCCOOK	4	4.7	4	4.8	-	-	-	-	-	-
MCPHERSON	-	-	-	-	-	-	-	-	-	-
MARSHALL	5	9.6	5	10.6	-	-	-	-	-	-
MEADE	19	5.0	19	5.8	-	-	-	-	-	-
MELLETTE	4	9.1	1	5.9	3	11.1	-	-	-	-
MINER	2	4.4	2	4.4	-	-	-	-	-	-
MINNEHAHA	100	5.1	83	4.9	5	10.6	2	8.0	-	-
MOODY	6	6.5	6	7.3	-	-	-	-	-	-
PENNINGTON	95	5.2	84	5.5	9	4.1	2	2.5	-	-
PERKINS	7	14.3	7	14.3	-	-	-	-	-	-
POTTER	1	2.6	1	2.8	-	-	-	-	-	-
ROBERTS	8	4.6	1	1.1	6	7.5	1	100.0	-	-
SANBORN	1	2.4	1	2.4	-	-	-	-	-	-
SHANNON	27	6.5	-	-	27	6.7	-	-	-	-
SPINK	3	2.8	3	2.8	-	-	-	-	-	-
STANLEY	3	6.7	3	7.3	-	-	-	-	-	-
SULLY	3	13.0	3	13.6	-	-	-	-	-	-
TODD	15	6.0	1	3.3	14	6.3	-	-	-	-
TRIPP	8	7.3	7	8.1	1	4.2	-	-	-	-
TURNER	4	3.3	4	3.3	-	-	-	-	-	-
UNION	1	0.7	1	0.7	-	-	-	-	-	-
WALWORTH	5	6.0	4	6.0	1	5.9	-	-	-	-
YANKTON	14	4.9	14	6.0	-	-	-	-	-	-
ZIEBACH	1	1.6	-	-	1	1.9	-	-	-	-

TABLE 15

RESIDENT BIRTHS WITH REPORTED CONGENITAL ANOMALIES BY RACE AND SEX, 1987

		MOTHER'S RACE					
		WHITE		INDIAN		OTHER	
		BABY'S SEX		BABY'S SEX		BABY'S SEX	
	TOTAL	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE
TOTAL CONGENITAL ANOMALIES	179	63	87	12	15	1	1
740-ANENCEPHALUS	2	-	2	-	-	-	-
741-SPINA BIFIDA	4	3	1	-	-	-	-
742-OTHER ANOMALIES	5	2	1	-	2	-	-
743-CONGENITAL ANOMALIES OF THE EYE	2	-	2	-	-	-	-
744-ANOMALIES OF EAR, FACE & NECK	5	1	1	1	2	-	-
745-BULBUS CORDIS, CARDIAC SEPTAL DEFECT	4	1	2	-	1	-	-
746-OTHER CONGENITAL ANOMALIES OF HEART	11	6	4	1	-	-	-
747-OTHER ANOMALIES - CIRCULATORY SYSTEM	4	4	-	-	-	-	-
748-ANOMALIES OF RESPIRATORY SYSTEM	2	-	1	-	1	-	-
749-CLEFT PALATE AND CLEFT LIP	17	7	5	3	2	-	-
750-ANOMALIES OF UPPER ALIMENTARY TRACT	5	1	3	1	-	-	-
751-OTHER ANOMALIES OF DIGESTIVE SYSTEM	3	-	1	1	1	-	-
752-ANOMALIES OF GENITAL ORGANS	19	1	17	-	1	-	-
753-ANOMALIES OF URINARY SYSTEM	6	2	4	-	-	-	-
754-CERTAIN MUSCULOSKELETAL DEFORMITIES	15	7	7	-	1	-	-
755-OTHER CONGENITAL ANOMALIES OF LIMBS	19	6	9	2	1	-	1
756-OTHER MUSCULOSKELETAL ANOMALIES	11	6	3	-	2	-	-
757-ANOMALIES OF THE INTEGUMENT	25	6	15	3	1	-	-
758-CHROMOSOMAL ANOMALIES	14	8	5	-	-	1	-
759-OTHER AND USPECIFIED ANOMALIES	6	2	4	-	-	-	-

NUMBER PRECEDING THE ANOMALY IS THE I.C.D. 9 CODE NUMBER.

TABLE 16

BIRTHS BY COUNTY OF RESIDENCE AND OCCURRENCE BY RACE, 1987

RESIDENT	BIRTHS BY RESIDENCE COUNTY					BIRTHS BY COUNTY OF OCCURRENCE				
	TOTAL	WHITE	INDIAN	OTHER	UNKNOWN	TOTAL	WHITE	INDIAN	OTHER	UNKNOWN
SOUTH DAKOTA	11,487	9,639	1,696	146	3	11,530	9,754	1,630	144	1
AURORA	42	42	-	-	-	-	-	-	-	-
BEADLE	351	255	5	1	-	310	306	3	1	-
BENNETT	68	30	38	-	-	32	18	9	-	-
BON HOMME	91	87	4	-	-	44	39	5	-	-
BROOKINGS	327	306	5	13	-	296	281	4	11	-
BROWN	801	476	24	2	-	752	735	24	3	-
BRULE	92	72	9	2	-	139	48	90	1	-
BUFFALO	58	10	48	-	-	-	-	-	-	-
BUTTE	122	121	1	-	-	99	98	-	-	-
CAMPBELL	29	29	-	-	-	-	-	-	-	-
CHARLES MIX	163	100	63	-	-	106	90	11	-	-
CLARK	69	69	-	-	-	-	-	-	-	-
CLAY	165	155	8	2	-	73	68	3	2	-
CODINGTON	340	331	9	-	-	585	546	38	1	-
CORSON	96	29	66	-	1	-	-	-	-	-
CUSTER	81	80	1	-	-	42	42	-	-	-
DAVISON	262	251	9	2	-	443	428	13	2	-
DAY	102	84	17	1	-	31	29	1	1	-
DEUEL	51	51	-	-	-	7	7	-	-	-
DEWEY	154	36	118	-	-	117	4	113	-	-
DOUGLAS	65	65	-	-	-	22	22	-	-	-
EDMUNDS	61	61	-	-	-	36	36	-	-	-
FALL RIVER	80	72	7	-	-	44	41	3	-	-
FAULK	43	43	-	-	-	11	11	-	-	-
GRANT	131	131	-	-	-	77	77	-	-	-
GREGORY	93	83	10	-	-	96	88	8	-	-
HAAKON	40	38	2	-	-	14	13	1	-	-
HAMLIN	84	84	-	-	-	11	11	-	-	-
HAND	62	61	1	-	-	31	31	-	-	-
HANSON	39	39	-	-	-	1	1	-	-	-
HARDING	36	36	1	-	-	-	-	-	-	-
HUGHES	230	190	39	1	-	378	310	68	2	-
HUTCHINSON	112	112	-	-	-	89	88	1	-	-
HYDE	17	16	1	-	-	-	-	-	-	-
JACKSON	77	29	48	-	-	-	-	-	-	-
JERAULD	32	32	-	-	-	34	34	-	-	-
JONES	20	18	2	-	-	-	-	-	-	-
KINGSBURY	85	85	-	-	-	49	49	-	-	-
LAKE	145	143	1	1	-	118	114	-	1	-
LAWRENCE	278	266	11	1	-	314	303	10	1	-
LINCOLN	216	216	-	-	-	30	30	-	-	-
LYMAN	67	33	34	-	-	1	-	1	-	-
MCCOOK	95	94	1	-	-	-	-	-	-	-
MCPHERSON	47	47	-	-	-	20	20	-	-	-
MARSHALL	52	47	5	-	-	17	16	1	-	-
MEADE	344	328	8	9	-	719	627	17	73	-
MELLETTE	44	17	27	-	-	-	-	-	-	-
MINER	45	45	-	-	-	-	-	-	-	-
MINNEHAHA	1,966	1,894	47	25	-	2,822	2,738	57	27	-
MOODY	92	82	9	1	-	43	32	11	-	-
PENNINGTON	1,817	1,516	219	81	1	1,614	1,371	226	16	1
PERKINS	49	49	-	-	-	-	-	-	-	-
POTTER	39	36	2	1	-	32	32	-	-	-
ROBERTS	173	92	80	1	-	107	32	75	-	-
SANBORN	42	42	-	-	-	-	-	-	-	-
SHANNON	416	11	404	-	-	490	9	481	-	-
SPINK	107	107	-	-	-	29	29	-	-	-
STANLEY	65	61	4	-	-	1	1	-	-	-
SULLY	23	22	-	1	-	-	-	-	-	-
TODD	252	30	222	-	-	194	10	184	-	-
TRIPP	110	66	34	-	-	129	93	36	-	-
TURNER	121	120	1	-	-	50	50	-	-	-
UNION	138	135	-	1	1	2	2	-	-	-
WALWORTH	84	67	17	-	-	103	86	17	-	-
YANKTON	388	380	6	1	-	749	617	131	1	-
ZIEBACH	64	12	52	-	-	-	-	-	-	-

TABLE 17

BIRTHS BY STATE OF MOTHER'S RESIDENCE AND STATE OF OCCURRENCE, 1987

	BIRTHS IN SOUTH DAKOTA BY MOTHER'S RESIDENCE					RESIDENT BIRTHS BY STATE OF OCCURRENCE				
	TOTAL	WHITE	INDIAN	OTHER	UNKNOWN	TOTAL	WHITE	INDIAN	OTHER	UNKNOWN
TOTAL	11,538	9,754	1,639	144	1	11,482	9,639	1,695	145	3
ARIZONA	1	1	-	-	-	1	1	-	-	-
CALIFORNIA	-	-	-	-	-	4	3	1	-	-
COLORADO	3	3	-	-	-	14	14	-	-	-
FLORIDA	-	-	-	-	-	1	1	-	-	-
INDIANA	-	-	-	-	-	1	1	-	-	-
IOWA	114	113	1	-	-	111	110	-	1	-
KANSAS	-	-	-	-	-	2	2	-	-	-
MINNESOTA	128	124	4	-	-	123	116	7	-	-
MONTANA	22	21	1	-	-	3	2	1	-	-
NEBRASKA	205	174	31	-	-	69	56	13	-	-
NEW MEXICO	1	-	1	-	-	1	1	-	-	-
NEW YORK	-	-	-	-	-	1	-	-	-	1
NORTH DAKOTA	42	40	2	-	-	172	98	73	-	1
OHIO	-	-	-	-	-	2	2	-	-	-
OKLAHOMA	2	2	-	-	-	1	1	-	-	-
OREGON	-	-	-	-	-	1	1	-	-	-
PENNSYLVANIA	-	-	-	-	-	1	-	1	-	-
SOUTH DAKOTA	10,966	9,223	1,598	144	1	10,966	9,223	1,598	144	1
TENNESSEE	1	1	-	-	-	-	-	-	-	-
TEXAS	1	1	-	-	-	-	-	-	-	-
UTAH	-	-	-	-	-	1	-	1	-	-
WASHINGTON	1	-	1	-	-	1	1	-	-	-
WISCONSIN	-	-	-	-	-	1	1	-	-	-
WYOMING	51	51	-	-	-	4	4	-	-	-
CANADA	-	-	-	-	-	1	1	-	-	-

TABLE 18

SOUTH DAKOTA RESIDENT PREGNANCIES BY COUNTY OF RESIDENCE AND MOTHER'S AGE, 1987*

		AGE OF MOTHER							
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 AND OLDER
	TOTAL	PREG	PREG	PREG	PREG	PREG	PREG	PREG	PREG
TOTAL	12088	14	1414	3504	4108	2286	665	91	4
AURORA	44	-	2	12	16	9	3	1	1
BEADLE	278	-	26	93	92	38	18	-	-
BENNETT	67	-	15	23	16	9	3	1	-
BON HOMME	94	-	6	27	31	17	12	1	-
BROOKINGS	370	-	40	97	137	73	23	-	-
BROWN	619	-	51	180	197	105	25	1	-
BRULE	96	-	9	23	39	18	7	1	-
BUFFALO	58	-	12	26	12	6	2	-	-
BUTTE	110	-	14	30	41	20	4	1	-
CAMPBELL	29	-	1	11	13	2	2	-	-
CHARLES MIX	172	-	29	46	65	34	16	2	-
CLARK	71	-	8	19	30	9	5	-	-
CLAY	186	-	19	60	52	44	9	1	-
CODINGTON	353	-	29	90	142	59	21	3	-
CORSON	96	-	20	31	28	11	4	2	-
CUSTER	84	-	11	30	20	16	6	-	1
DAVISON	290	-	18	96	96	61	21	-	-
DAY	107	-	8	26	45	20	6	2	-
DEUEL	56	-	2	25	19	4	4	1	-
DEWEY	160	1	26	49	53	19	10	2	-
DOUGLAS	69	-	6	16	24	19	4	-	-
EDMUNDS	61	-	2	19	20	19	1	-	-
FALL RIVER	81	-	20	21	22	11	7	-	-
FAULK	43	-	3	9	24	6	2	-	-
GRANT	121	-	16	33	44	18	8	1	-
GREGORY	94	-	13	24	29	19	7	2	-
HAAKON	40	-	2	9	18	9	1	-	1
HAMLIN	84	-	1	18	28	29	6	2	-
HAND	59	-	6	9	30	11	3	-	-
HANSON	36	-	1	3	15	10	6	-	-
HARDING	24	-	3	13	11	6	1	-	-
HUGHES	235	-	34	61	81	40	10	-	-
HUTCHINSON	120	-	9	30	42	31	7	1	-
HYDE	19	-	2	6	6	4	1	-	-
JACKSON	78	-	10	29	23	9	7	-	-
JERAULD	31	-	3	5	12	8	4	2	-
JONES	23	-	4	8	4	5	2	-	-
KINGSBURY	89	-	8	22	40	16	3	-	-
LAKE	154	-	9	40	64	34	7	-	-
LAWRENCE	291	-	30	90	100	48	17	6	-
LINCOLN	211	-	17	48	78	55	14	2	-
LYMAN	71	-	15	18	22	12	2	2	-
MCCOOK	82	-	7	23	24	20	7	2	-
MCPHERSON	47	-	1	15	17	10	3	1	-
MARSHALL	50	-	2	14	27	6	1	-	-
MEADE	305	1	37	102	124	75	25	1	-
MELLETTE	45	-	11	14	14	4	1	1	-
MINER	43	-	-	12	21	8	1	1	-
MINNEHAHA	3178	4	232	820	780	419	109	11	-
MOODY	93	-	12	23	30	21	6	1	-
PENNINGTON	1919	2	234	653	614	325	78	14	1
PERKINS	45	-	1	9	19	15	2	-	-
POTTER	43	-	3	13	16	10	2	-	-
ROBERTS	173	-	30	69	53	24	6	-	-
SANBORN	44	-	1	15	13	11	4	-	-
SHANNON	417	2	103	114	111	59	24	4	-
SPINK	112	-	17	28	41	19	6	3	-
STANLEY	43	-	7	10	12	3	1	2	-
SULLY	24	-	2	8	11	2	1	-	-
TODD	253	3	59	84	68	33	14	4	-
TRIPP	110	1	12	42	36	10	9	1	-
TURNER	120	1	18	29	44	21	5	1	-
UNION	138	1	10	41	46	29	8	2	-
WALWORTH	84	-	7	17	22	21	6	1	-
YANKTON	318	-	31	80	113	60	18	4	-
ZIEBACH	61	-	16	22	18	5	1	-	-

*PREGNANCIES INCLUDE SINGLE LIVE BIRTHS, FETAL DEATHS AND INDUCED ABORTIONS.

TABLE 19

SOUTH DAKOTA RESIDENT PREGNANCIES
BY SINGLE YEARS 13-24, AGE GROUPS 25-29, 30-34,
35-39, 40-44, and 45+, 1987

AGE OF WOMAN	PREG	SINGLE LIVE BIRTHS	FETAL DEATHS	INDUCED ABORTIONS
TOTALS	12,088	11,265	67	756
13	4	2	-	2
14	10	7	-	3
15	81	61	-	20
16	153	115	-	38
17	240	199	1	40
18	412	347	4	61
19	528	452	4	72
20	553	490	4	59
21	644	601	2	41
22	664	629	4	31
23	844	780	4	60
24	879	825	7	47
25-29	4108	3961	14	133
30-34	2208	2100	15	93
35-39	665	614	8	43
40-44	91	80	-	11
45+	4	2		2

TABLE 20

SOUTH DAKOTA RESIDENT PREGNANCIES BY RESIDENT COUNTY, 1987

RESIDENT COUNTY	FTBD	SINGLE LIVE BIRTHS	FETAL DEATHS	INDUCED ABORTIONS
TOTAL	12,688	11,988	67	754
AURORA	64	62	-	2
BEADLE	278	257	3	18
BENNETT	67	65	-	2
BON HOMME	94	91	-	3
BROOKINGS	370	318	6	46
BROWN	519	491	1	27
BRULE	87	80	-	6
BUFFALO	89	86	-	3
BUTTE	119	118	-	1
CAMPBELL	29	29	-	-
CHARLES MIX	172	161	2	9
CLARK	71	67	-	4
CLAY	185	161	2	22
CODINGTON	353	335	2	16
CORSON	98	96	-	-
CUSTER	84	79	-	5
DAVISON	290	258	-	32
DAY	107	102	-	5
DEUEL	86	81	-	4
DEWEY	160	152	6	2
DOUGLAS	69	63	-	6
EDMUNDS	61	60	1	-
FALL RIVER	81	78	1	2
FAULK	43	43	-	-
GRANT	121	117	1	3
GREGORY	94	91	-	3
HAAKON	40	38	1	1
HAMLIN	84	84	-	-
HAND	66	62	1	6
HANSON	39	39	-	-
HARDING	34	34	-	-
HUGHES	230	210	3	22
HUTCHINSON	120	112	2	6
HYDE	19	15	-	4
JACKSON	78	73	3	2
JERAULD	31	30	-	1
JONES	23	20	1	2
KINGSBURY	89	85	-	4
LAKE	154	143	1	10
LAWRENCE	291	276	-	15
LINCOLN	211	200	-	11
LYMAN	71	67	-	4
MCCOOK	82	81	1	1
MCPHERSON	47	47	-	-
MARSHALL	60	58	-	-
MEADE	365	342	5	18
MELLETTE	45	42	1	2
MINER	43	43	-	-
MINNEHAHA	2178	1930	5	243
MOODY	93	90	-	3
PENNINGTON	1919	1790	10	120
PERKINS	46	45	-	1
POTTER	43	39	1	3
ROBERTS	173	173	-	-
SANBORN	44	40	1	3
SHANNON	417	411	3	3
SPINK	112	107	1	4
STANLEY	43	43	-	-
SULLY	24	23	-	1
TODD	253	245	3	4
TRIPP	110	108	-	2
TURNER	130	115	-	8
UNION	136	135	-	-
WALWORTH	84	81	-	3
YANKTON	315	287	-	27
ZIEBACH	61	60	-	1

Infant and Fetal Deaths

INFANT AND FETAL DEATHS AN OVERVIEW: 1987	
Infant Deaths	114
Infant Death Rate Per 1,000 Live Births	9.9
Neonatal Deaths	58
Neonatal Death Rate Per 1,000 Live Births	5.1
Postneonatal Deaths	56
Postneonatal Death Rate Per 1,000 Live Births	4.9
Maternal Deaths	3
Fetal Deaths	67
Fetal Death Rate Per 1,000 Live Births	5.8

Infant Deaths

During 1987, there were 114 South Dakota resident infant deaths for a rate of 9.9 infant deaths per 1,000 live births. This is a 26.5 percent decrease from 1986 and slightly below the national rate of 10.0.

Figure 7 illustrates the 1977-1987 South Dakota resident infant death rates by race. The 1987 white resident infant death rate was 7.9 with 76 deaths. The 1987 American Indian resident infant death rate of 21.2 was the result of 36 deaths.

The 1990 objective for the Nation is to have less than 9 infant deaths per 1,000 live births, and less than 12 infant deaths per 1,000 live births in any county, racial or ethnic group. The South Dakota infant death rate of 9.9 during 1987 is close to meeting the objective, however, the Indian infant mortality rate of 21.2 is well above the objective for a racial group.

Neonatal Deaths

In 1987, 58 (50.9 percent) of all resident infant deaths occurred in the neonatal period (occurring within the first 27 days of life). Figure 8 provides information on resident neonatal deaths per 1,000 births by race. During 1987, South Dakota had a white resident neonatal death rate of 4.6 (44 deaths) and an American Indian resident neonatal death rate of 7.6 (13 deaths).

Figure 9 illustrates 1987 neonatal resident deaths by birth weight (There was one unknown birth weight). The distribution illustrates the direct relationship between low birth weight and neonatal deaths. A total of 41 resident neonatal deaths were to low birth weight (less than 2,500 grams) infants or 70.7 percent of the 58 resident neonatal deaths.

During 1987, 57.9 percent of all white resident infant deaths and 36.1 percent of all American Indian resident infant deaths occurred during the neonatal period. Both of these percentages represent increases over 1986 figures.

The 1990 neonatal death rate objective is to have less than 6.5 deaths per 1,000 live births. South Dakota met this objective in 1985, with a rate of 5.3, the 1986 rate rose to 7.4 percent. The 1987 rate was 5.1 neonatal deaths per 1,000 live births.

Postneonatal Deaths

The rate for resident postneonatal deaths (deaths occurring from 28 days to 365 days) fluctuates from year to year for both races as depicted in Figure 10.

In 1987, 42.1 percent of white resident infant deaths were postneonatal, for a rate of 3.3 per 1,000 live births. Postneonatal deaths accounted for 63.9 percent of all American Indian resident infant deaths, a rate of 13.6. Both rates represent decreases over their respective 1986 rates.

Figure 11 displays 1987 resident postneonatal deaths by birth weight (there was one unknown birth weight). A total of 15 were low birthweight (less than 2,500 grams) or 26.8 percent of the 56 resident postneonatal deaths.

Table 21 identifies resident infant deaths by county. Three counties (Minnehaha, Pennington, and Shannon) accounted for 45.6 percent of the total resident infant deaths.

Leading Causes of Infant Deaths

The vast majority of resident infant deaths during 1987 were attributable to three major causes: congenital anomalies, other conditions in perinatal period, and sudden infant death syndrome with 24, 23 and 23 deaths respectively (see Table 22). These three causes involved 70 infants or 61.4 percent of South Dakota resident infant deaths.

Fetal Deaths

In 1987, 67 fetal deaths were reported for a rate of 5.8 per 1,000 live births. The risk of fetal death was highest in cases involving women in the age cohorts 35-39, 15-19 and 30-34 with fetal death rates of 12.8, 7.6 and 7.0 respectively.

FIGURE 6

Infant Death Rates, U.S. and S.D., 1970-1987

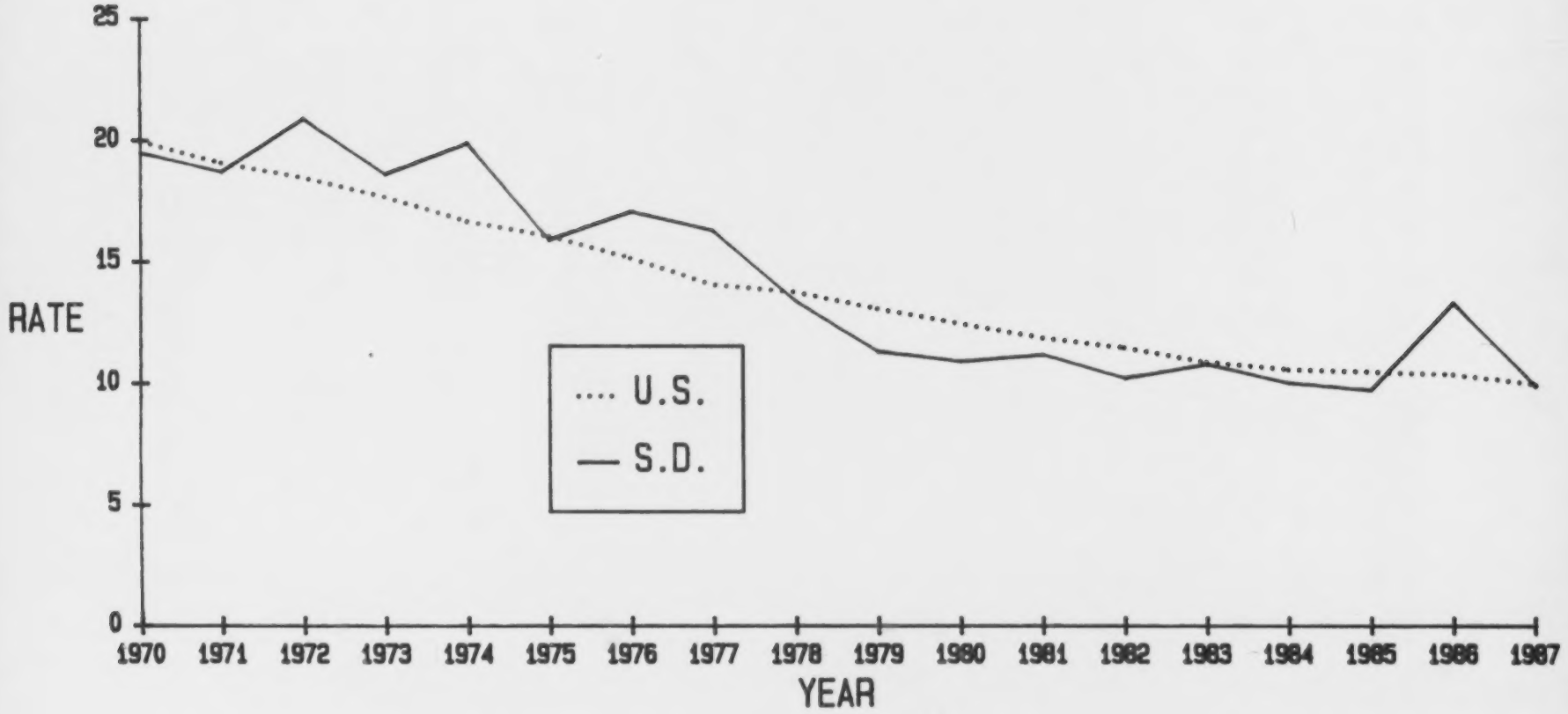


FIGURE 7

INFANT DEATH RATES BY RACE 1977-1987

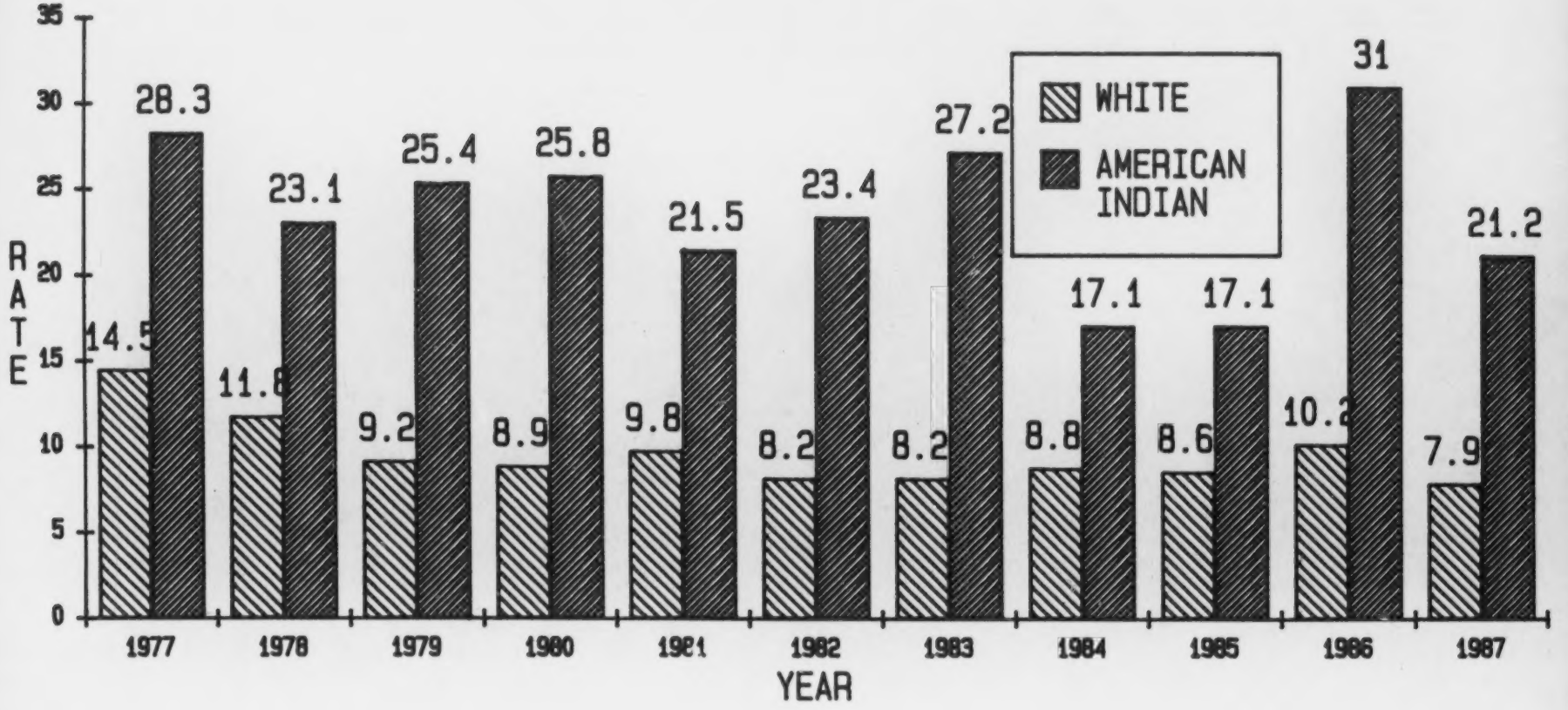


FIGURE 8

NEONATAL DEATH RATES, BY RACE 1977-1987
(RATES PER 1000 LIVE BIRTHS)

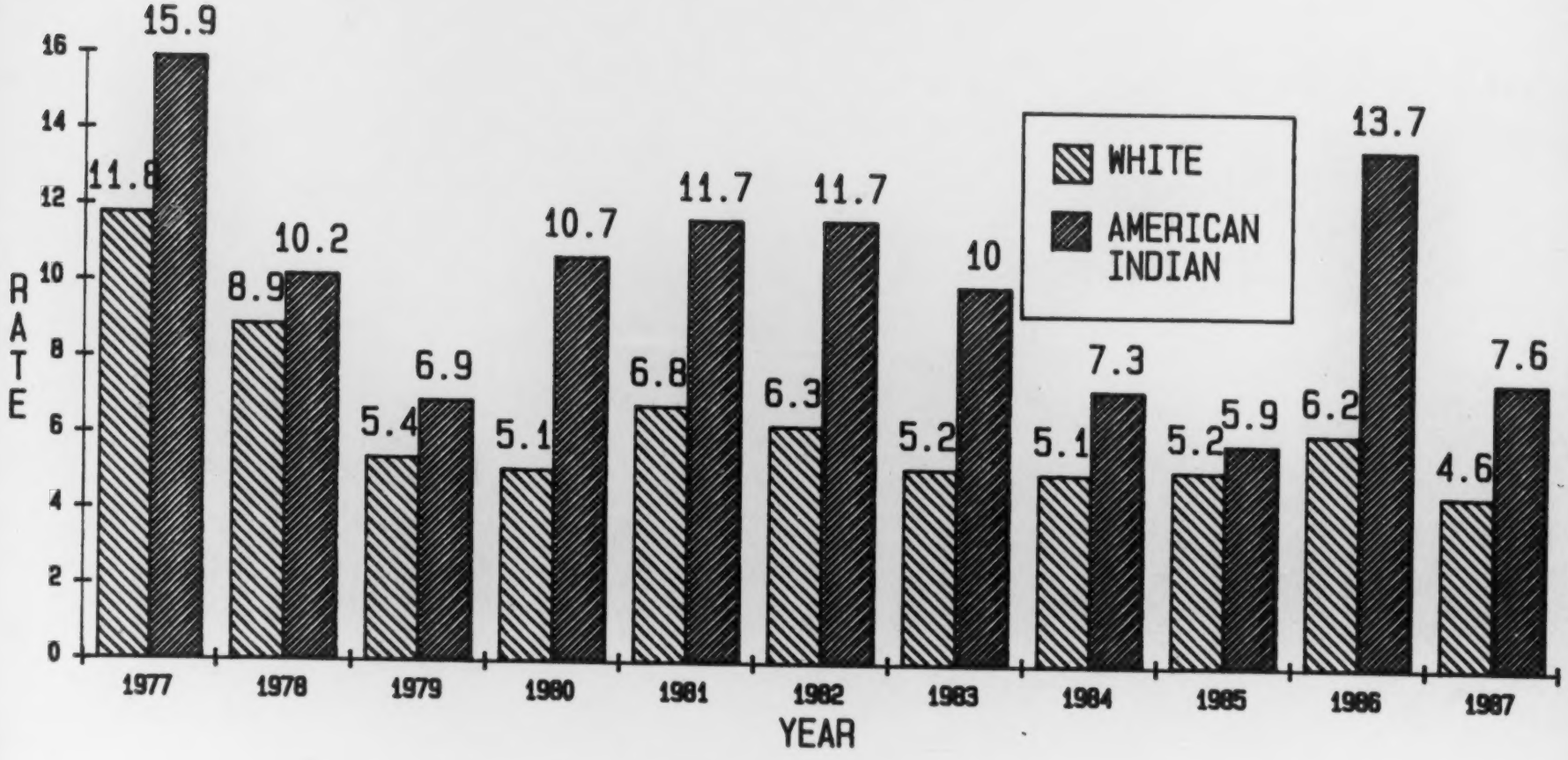
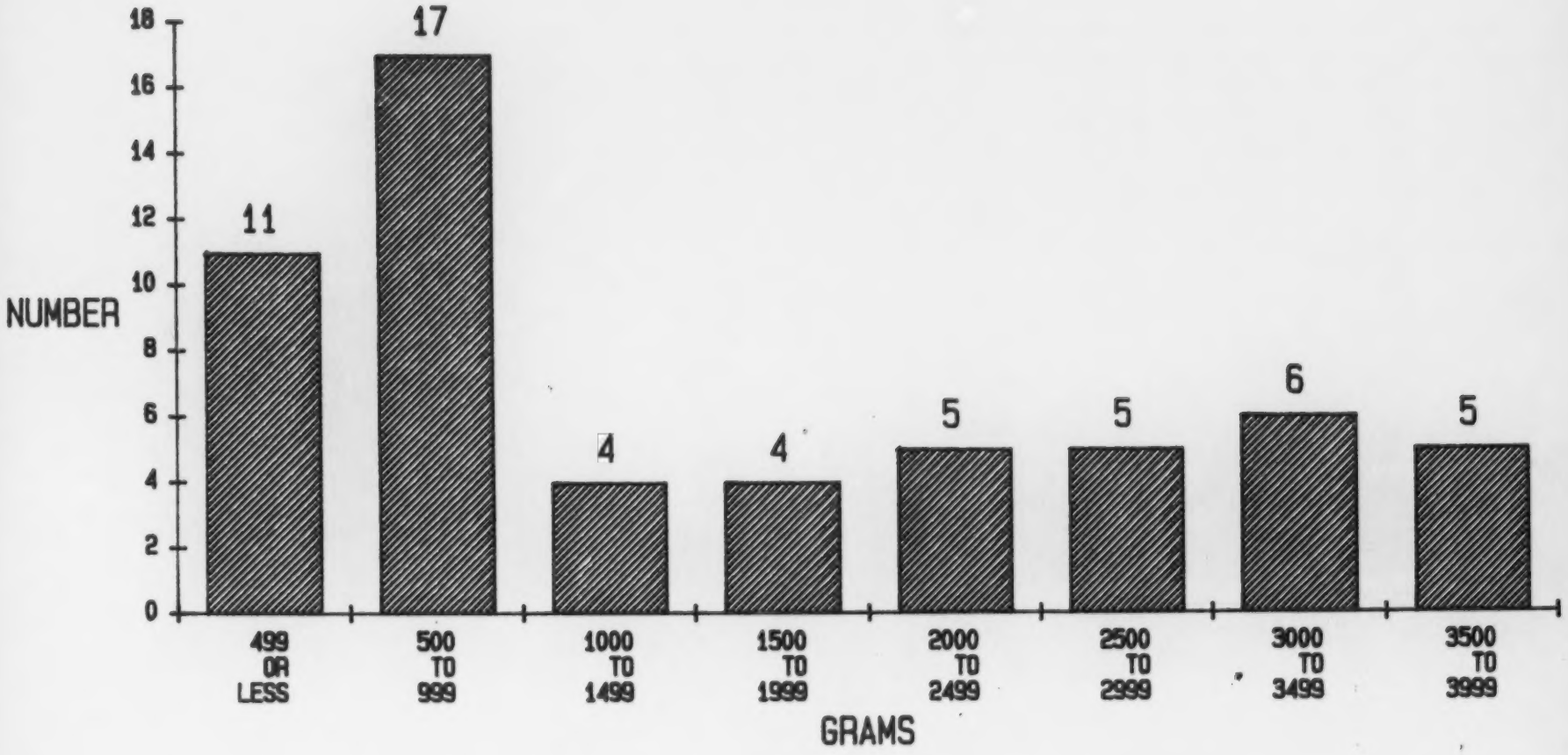


FIGURE 9

1987 NEONATAL RESIDENT DEATHS BY BIRTH WEIGHT



* one unknown birth weight not included.

FIGURE 10

POSTNEONATAL DEATH RATES BY RACE, 1978-1987
(RATES PER 1000 LIVE BIRTHS)

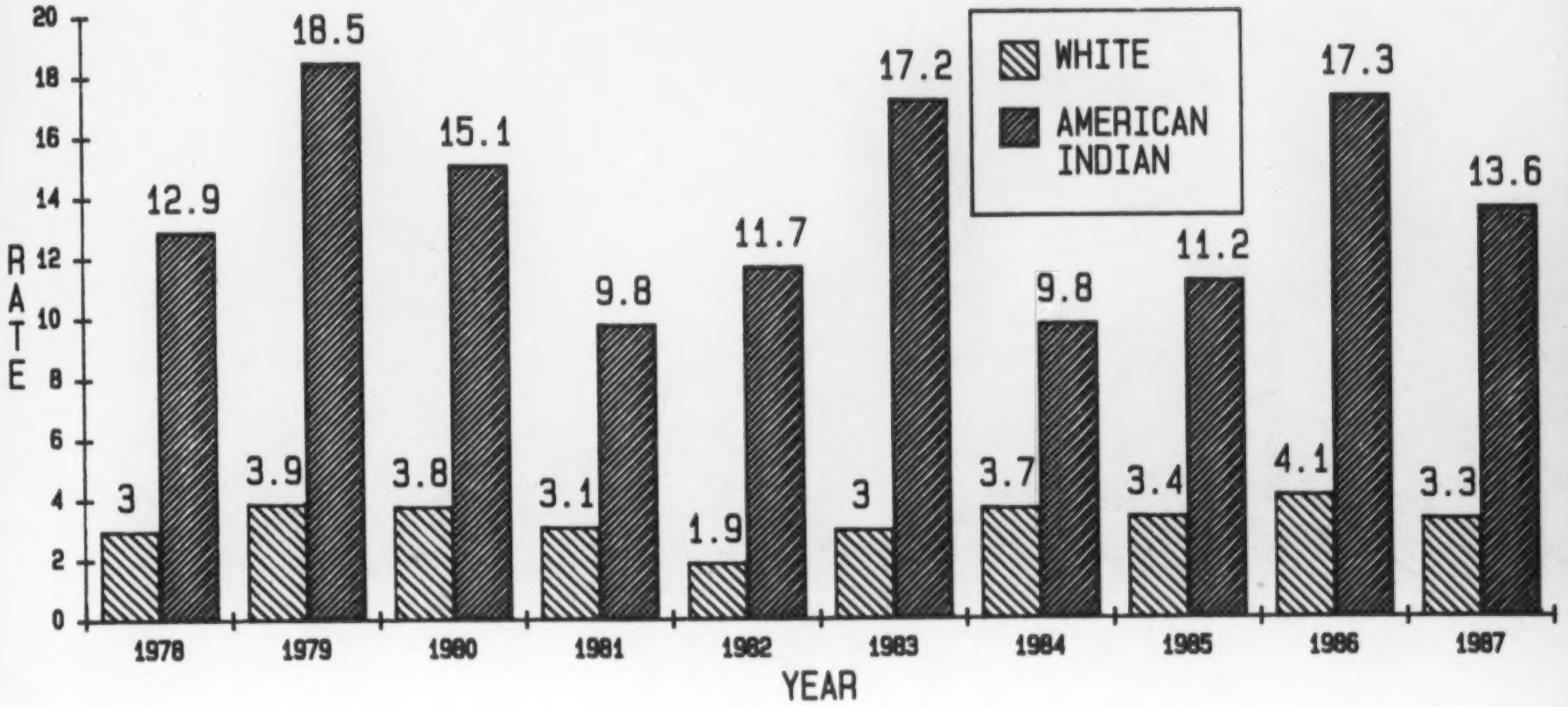
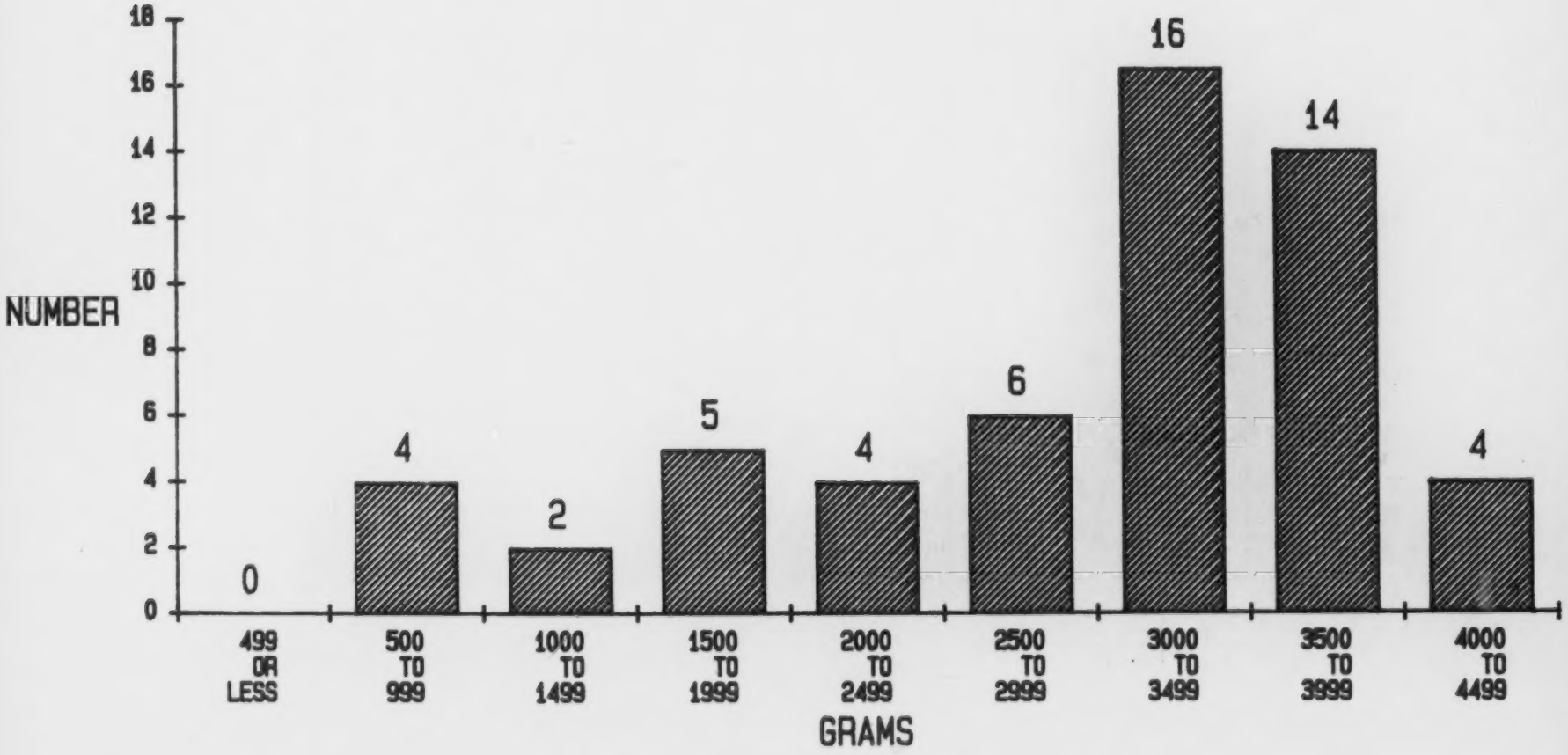


FIGURE 11

1987 POSTNEONATAL RESIDENT DEATHS BY BIRTH WEIGHT*



* one unknown birthweight not included.

TABLE 21

INFANT, NEONATAL AND POST NEONATAL DEATHS BY MOTHER'S COUNTY OF RESIDENCE AND RACE, 1987

	INFANT DEATHS				INFANT AGE GROUP							
					NEONATAL				POSTNEONATAL			
	TOTAL	WHITE	INDIAN	OTHER	TOTAL	WHITE	INDIAN	OTHER	TOTAL	WHITE	INDIAN	OTHER
SOUTH DAKOTA	114	76	36	2	58	44	13	1	56	32	23	1
BEADLE	1	1	-	-	-	-	-	-	1	1	-	-
BENNETT	2	-	2	-	1	-	1	-	1	-	1	-
BON HOMME	1	1	-	-	1	1	-	-	-	-	-	-
BROOKINGS	3	3	-	-	1	1	-	-	2	2	-	-
BROWN	4	4	-	-	2	2	-	-	2	2	-	-
BUFFALO	1	-	1	-	-	-	-	-	1	-	1	-
BUTTE	3	3	-	-	3	3	-	-	-	-	-	-
CHARLES MIX	1	1	-	-	-	-	-	-	1	1	-	-
CLARK	1	1	-	-	1	1	-	-	-	-	-	-
CLAY	1	1	-	-	-	-	-	-	1	1	-	-
CODINGTON	6	6	-	-	4	4	-	-	2	2	-	-
CORSON	1	-	1	-	-	-	-	-	1	-	1	-
DAVISON	2	2	-	-	2	2	-	-	-	-	-	-
DEWEY	2	-	2	-	-	-	-	-	2	-	2	-
DOUGLAS	2	2	-	-	2	2	-	-	-	-	-	-
FALL RIVER	1	-	-	1	-	-	-	-	1	-	-	1
GRANT	1	1	-	-	1	1	-	-	-	-	-	-
HUGHES	2	1	1	-	2	1	1	-	-	-	-	-
JACKSON	3	1	2	-	-	-	-	-	3	1	2	-
LAKE	3	3	-	-	1	1	-	-	2	2	-	-
LAWRENCE	4	2	2	-	2	2	-	-	2	-	2	-
MARSHALL	1	1	-	-	1	1	-	-	-	-	-	-
MEADE	3	3	-	-	2	2	-	-	1	1	-	-
MINNEHAHA	21	19	1	1	13	11	1	1	8	8	-	-
PENNINGTON	16	12	4	-	4	3	1	-	12	9	3	-
PERKINS	2	2	-	-	2	2	-	-	-	-	-	-
POTTER	1	1	-	-	1	1	-	-	-	-	-	-
ROBERTS	2	-	2	-	2	-	2	-	-	-	-	-
SHANNON	15	-	15	-	5	-	5	-	10	-	10	-
TODD	2	-	2	-	1	-	1	-	1	-	1	-
TRIPP	2	1	1	-	2	1	1	-	-	-	-	-
YANKTON	4	4	-	-	2	2	-	-	2	2	-	-

TABLE 22

SOUTH DAKOTA RESIDENT INFANT DEATHS BY BIRTH WEIGHT
FOR DEATH YEAR 1987

	TOTAL	BIRTH WEIGHT IN GRAMS									
		499 OR LESS	500-999	1,000-1,400	1,500-1,999	2,000-2,499	2,500-2,999	3,000-3,499	3,500-3,999	4,000-4,499	UNKNOWN
TOTAL	114	11	21	6	9	9	11	22	19	4	2
INFANT AGE GROUP											
NEONATAL	58	11	17	4	4	5	5	6	5	-	1
POSTNEONATAL	56	-	4	2	5	4	6	16	14	4	1

TABLE 23

RESIDENT INFANT DEATHS BY AGE AND CAUSE, 1987

		RACE									
		WHITE				INDIAN				OTHER RACES	
	TOTAL	UNDER 1 DAY	1 THRU 6 DAYS	7 THRU 27 DAYS	28 DAYS THRU 11 MONTHS	UNDER 1 DAY	1 THRU 6 DAYS	7 THRU 27 DAYS	28 DAYS THRU 11 MONTHS	1 THRU 6 DAYS	28 DAYS THRU 11 MONTHS
TOTAL	114	23	14	6	33	4	3	6	23	1	1
CAUSES OF DEATH											
PNEUMONIA & INFLUENZA (480-487)	2	-	-	-	-	-	-	-	2	-	-
CONGENITAL ANOMALIES (740-759)	24	7	4	4	5	-	2	1	-	-	1
OTHER CONDITIONS IN PERINATAL PERIOD (760-764, 766, 770-779)	23	10	6	1	3	-	1	1	1	-	-
SHORT GESTATION & LOW BIRTH WEIGHT (765)	8	4	-	-	-	4	-	-	-	-	-
INTRAUTERINE HYPOXIA & BIRTH ASPHYXIA (768)	2	-	-	-	1	-	-	-	-	1	-
RESPIRATORY DISTRESS SYNDROME (769)	7	1	3	1	2	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME (798)	23	-	-	-	10	-	-	3	10	-	-
EXTERNAL CAUSES (E800-E999)	6	-	-	-	4	-	-	-	2	-	-
ALL OTHER CAUSES	19	1	1	-	8	-	-	1	8	-	-

NUMBERS FOLLOWING CAUSE OF DEATH ARE I.C.D. 9 CODES.

TABLE 24

FETAL DEATHS BY MOTHER'S COUNTY OF RESIDENCE, RACE AND AGE, 1987
(20 WEEKS GESTATION OR MORE)

	TOTAL	RACE OF MOTHER		AGE OF MOTHER				
		WHITE	INDIAN	15 - 19	20 - 24	25 - 29	30 - 34	35 - 39
SOUTH DAKOTA	67	48	19	9	21	14	15	8
BEADLE	3	3	-	-	2	-	1	-
BROOKINGS	6	6	-	1	2	3	-	-
BROWN	1	1	-	-	-	-	1	-
CHARLES MIX	2	2	-	-	-	-	2	-
CLAY	2	2	-	1	-	1	-	-
CODINGTON	2	2	-	-	-	2	-	-
DEWEY	5	-	5	-	2	1	1	1
EDMUNDS	1	1	-	-	-	-	1	-
FALL RIVER	1	-	1	-	-	-	1	-
GRANT	1	1	-	-	-	-	-	1
HAAKON	1	1	-	-	-	-	1	-
HAND	1	1	-	-	-	-	1	-
HUGHES	3	3	-	1	1	-	-	1
HUTCHINSON	2	2	-	1	-	-	1	-
JACKSON	3	1	2	-	2	-	-	1
JONES	1	1	-	-	-	-	1	-
LAKE	1	1	-	-	-	1	-	-
MCCOOK	1	1	-	-	-	-	-	1
MEADE	5	5	-	1	1	1	1	1
MELLETTE	1	-	1	-	1	-	-	-
MINNEHAHA	5	5	-	1	1	1	1	1
PENNINGTON	10	6	4	1	6	3	-	-
POTTER	1	1	-	-	-	-	1	-
SANBORN	1	1	-	-	-	-	-	1
SHANNON	3	-	3	1	-	1	1	-
SPINK	1	1	-	-	1	-	-	-
TODD	3	-	3	1	2	-	-	-

Mortality

MORTALITY AN OVERVIEW: 1987	
Total Resident Deaths	6,658
Crude Death Rate Per 1,000 Population, S.D.	9.4
Provisional Crude Death Rate Per 1,000 Population, U.S.	8.7
Deaths Caused by Heart Diseases, S.D.	2,529
Heart Disease Death Rate, S.D. (Per 100,000 Population)	357.6
Provisional Heart Disease Death Rate, U.S. (Per 100,000 Population)	312
Deaths Caused by Cancer, S.D.	1,379
Cancer Death Rate, S.D. (Per 100,000 Population)	195.0
Provisional Cancer Death Rate, U.S. (Per 100,000 Population)	193.3
Motor Vehicle Deaths, S.D.	134

There were 6,658 South Dakota resident deaths during 1987, compared to 6,583 in 1986, a 1.1 percent increase. The highest resident death rate recorded in South Dakota was 10.1 per 1,000 population which occurred in 1969 with 6,747 resident deaths. The South Dakota resident death rate has remained fairly constant, around 9.5 to 9.8, while the U.S. death rate shows a slow but steady decline to 8.7 in 1987 from 9.5 in 1960.

Deaths by county of residence, and occurrence by race are provided in Table 25. Of the 6,658 South Dakota resident deaths, 6,226 were white, 418 were American Indian and 14 were other races. There were 6,691 deaths that occurred in South Dakota during 1987. An occurrence death differs from a resident death as the former refers to the place (state/county) of death and the latter refers to the residence of the deceased at the time of death.

Deaths by state of occurrence and residence are provided in Table 26. Of the 6,658 resident deaths, 6,208 or 93.2 percent occurred in South Dakota, and 450 or 6.8 percent occurred outside of state boundaries. In addition, 483 deaths of non-residents occurred within state boundaries, accounting for 7.2 percent of occurrence deaths in 1987.

Leading Causes of Death

Figures 12 and 13 display the ten leading causes of resident deaths for whites and American Indians respectively. Table 27 ranks leading causes of death for all races. In addition, Table 27 ranks leading cause of death according to race. The National and State leading causes of death are in the same rank order for only the first three causes (diseases of heart, cancer, and cerebrovascular diseases). The next six leading causes of death are the same but, are not in the same rank order. Heart disease and cancer account for 60.3 percent of white resident deaths, in comparison 34.7 percent of American Indian resident deaths result from those two causes. Furthermore, 20.8 percent of non-white resident deaths are caused by conditions originating in the perinatal period, whereas only 5.8 percent of white resident death are attributable to this cause.

The leading cause of death are differentiated not only by race, but also by age (see Figure 14). Chronic conditions such as heart disease and cancer are more prevalent in the older age cohorts while accidents are more prominent in the younger age cohorts. Table 28 provides more detailed information on cause of death by race, age cohort and sex.

Accidents were the leading cause of death for those residents age 1-4. Seventeen of the resident deaths in this age cohort or 42.5 percent were due to accidents. In addition, 6 deaths in this age cohort were due to congenital anomalies.

Accidents were also the leading cause of resident deaths for those ages 5-14. Twelve deaths or 48 percent of resident deaths in this age cohort were caused by accidents. Cancer was the second leading cause of death in this age cohort accounting for 20 percent of the resident deaths of this age cohort.

Resident deaths attributable to accidents were 50 or 53.2 percent of those resident deaths age 15-24. An additional 25 deaths were a result of suicide, accounting for 27 percent of all resident deaths of this age cohort.

Accidents remained as the leading cause of death for residents ages 25-34. Fifty or 37 percent of the deaths were caused by accidents. Suicides accounted for 23 or 17 percent of the resident deaths in this age cohort.

The majority of resident deaths in the 35-44 age cohort were the result of cancer, accidents, and diseases of the heart. These three causes accounted for 36, 33, and 28 deaths respectively or 64.2 percent of resident deaths for those 35-44 years of age.

Heart disease and cancer accounted for 67 percent of the resident deaths for the 45-64 and 62 percent of the resident deaths for those 65 and older.

In summary, external causes of death are predominant killers for residents ages 1-34. Chronic conditions are the leading cause of death for residents ages 35 years of age and older.

Leading Causes of Death By Age, 1987

Age	Leading Cause	Number	Percent Total
1-4	Accidents	17	42.5
5-14	Accidents	12	48.0
15-24	Accidents	50	53.2
25-34	Accidents	50	37.0
35-44	Malignant Neoplasms	36	23.8
45-64	Heart Diseases	306	33.4
65+	Heart Diseases	2,180	42.1

Specific Causes

Heart Disease

During 1987, 2,529 or 38.2 percent of resident deaths resulted from diseases of the heart. This represents a 1.3 percent increase from the 2,497 resident deaths attributable to this cause in 1986. The number of heart disease deaths is 83.4 percent higher than the second leading cause of resident deaths, malignant neoplasms.

Cancer

Of the 6,658 resident deaths in 1987, 1,379 or 20.7 percent died from cancer (see Table 29). The cancer death rate of 195.0 per 100,000 population was 4.8 percent lower than the 1986 rate of 204.8 per 100,000. Table 29 indicates that residents of McPherson County had the highest cancer death rate in South Dakota, 496 per 100,000 population. Ziebach County had the lowest cancer death rate in South Dakota with 41 per 100,000, Shannon County was the next lowest with 53 per 100,000. Malignant neoplasms of the digestive organs and peritoneum caused the most cancer deaths, 382; of which malignant neoplasms of the colon specifically caused 167 deaths. Malignant neoplasms of the respiratory and intrathoracic organs caused 335 deaths, of which malignant neoplasms of the lung caused 327 deaths.

Accidental and Violent Deaths Occurring in S.D.

There were 430 accidental and violent deaths resulting from injury in South Dakota during 1987 (see Table 30 and Figure 15). This represents a 3.2 percent decrease over 1986 figures. Table 31 details further the external cause of death by county of injury.

Motor Vehicle Accidents

The leading cause of accidental and violent deaths was motor vehicle traffic accidents. During 1987, 134 deaths occurred from traffic accidents in South Dakota, a 0.7 percent decrease over 1986 figures. According to the 1987 Motor Vehicle Traffic Accident Summary, 34 percent of the fatal traffic accidents in South Dakota were alcohol-involved (at least one driver, pedestrian, or bicycle driver involved had been drinking in the opinion of the investigating officer).

Suicide

Suicides accounted for 103 resident deaths during 1987, this is the same number of deaths that resulted from suicide in 1986. Also, suicides accounted for 107 or 25 percent of the accidental and violent deaths resulting from injury in South Dakota (see Figure 15).

Males committed 81.6 percent of all resident suicides (see Table 28). In addition, whites accounted for 84.5 percent of all resident suicides in 1987.

Of the 103 resident suicide deaths in 1987, 3 were in the 5-14 age cohort, 25 in the 15-24 age cohort, 23 in the 25-34 age cohort, 12 in the 35-44 age cohort, 18 in the 45-64 age cohort, and 22 in the 65+ age cohort.

The age cohort with the largest percentage increase over 1986 data was the 5-14 age cohort. This age cohort experienced a 200 percent increase in resident suicides over 1986 figures, 3 resident suicides in 1987 compared to 1 in 1986. Furthermore, both the 15-24 and 35-44 age cohorts experienced declines in resident suicides in 1987.

Farm Related Deaths

In 1987 there were 43 deaths resulting from injuries that occurred on South Dakota farms. Of the 43 deaths, 35 were South Dakota residents.

In 1987, there were 11 resident deaths from work related injuries occurring on South Dakota farms. There was a total of 16 deaths in South Dakota from work related injuries occurring on farms.

TABLE 25

DEATHS BY COUNTY OF RESIDENCE AND OCCURRENCE BY RACE, 1987

	DEATHS BY RESIDENCE COUNTY				DEATHS BY COUNTY OF OCCURRENCE			
	TOTAL	WHITE	INDIAN	OTHER	TOTAL	WHITE	INDIAN	OTHER
SOUTH DAKOTA	6,658	6,226	418	14	6,691	6,283	380	28
AURORA	58	58	-	-	21	21	-	-
BEADLE	193	191	-	2	214	209	3	2
BENNETT	44	25	19	-	33	18	15	-
BON HOMME	87	87	-	-	87	87	-	-
BROOKINGS	150	150	-	-	135	135	-	-
BROWN	348	345	3	-	396	393	3	-
BRULE	65	62	3	-	47	38	9	-
BUFFALO	18	2	16	-	4	1	3	-
BUTTE	94	92	2	-	83	80	3	-
CAMPBELL	21	21	-	-	4	4	-	-
CHARLES MIX	123	97	26	-	114	96	18	-
CLARK	55	55	-	-	20	20	-	-
CLAY	102	101	1	-	78	78	-	-
CODINGTON	200	200	-	-	215	214	1	-
CORSON	48	21	27	-	23	5	18	-
CUSTER	69	68	-	1	54	54	-	-
DAVISON	186	185	1	-	221	221	-	-
DAY	88	80	8	-	60	57	3	-
DEUEL	48	48	-	-	39	39	-	-
DEWEY	54	20	33	1	29	6	23	-
DOUGLAS	40	40	-	-	25	25	-	-
EDMUNDS	51	51	-	-	55	55	-	-
FALL RIVER	144	136	7	1	152	138	13	1
FAULK	35	35	-	-	28	28	-	-
GRANT	99	99	-	-	78	78	-	-
GREGORY	86	84	2	-	80	78	2	-
HAAKON	24	24	-	-	18	18	-	-
HAMLIN	84	84	-	-	86	86	-	-
HAND	54	54	-	-	43	43	-	-
HANSON	19	19	-	-	9	9	-	-
HARDING	16	16	-	-	2	2	-	-
HUGHES	109	105	4	-	149	131	18	-
HUTCHINSON	114	114	-	-	120	120	-	-
HYDE	21	20	1	-	12	12	-	-
JACKSON	24	14	10	-	12	11	1	-
JERAULD	36	36	-	-	32	32	-	-
JONES	13	13	-	-	2	2	-	-
KINGSBURY	105	105	-	-	88	88	-	-
LAKE	120	120	-	-	106	106	-	-
LAWRENCE	163	161	2	-	146	142	3	1
LINCOLN	134	134	-	-	73	73	-	-
LYMAN	26	19	7	-	10	7	3	-
MCCOOK	71	71	-	-	39	39	-	-
MCPHERSON	47	47	-	-	33	33	-	-
MARSHALL	62	61	1	-	36	35	1	-
MEADE	138	136	2	-	182	178	3	1
MELLETTE	16	8	8	-	7	3	4	-
MINER	37	37	-	-	19	19	-	-
MINNEHAHA	934	926	6	3	1,607	1,576	28	8
MOODY	74	71	3	-	60	59	-	1
PENNINGTON	543	511	27	5	616	550	64	2
PERKINS	57	57	-	-	34	34	-	-
POTTER	54	53	1	-	46	45	1	-
ROBERTS	109	95	14	-	72	63	9	-
SANBORN	33	33	-	-	12	12	-	-
SHANNON	160	4	96	-	56	1	55	-
SPINK	118	116	2	-	77	75	2	-
STANLEY	19	16	3	-	6	6	-	-
SULLY	18	18	-	-	3	3	-	-
TODD	66	9	48	-	48	4	26	-
TRIPP	84	73	11	-	88	73	15	-
TURNER	122	122	-	-	84	84	-	-
UNION	89	89	-	-	46	46	-	-
WALWORTH	99	81	16	-	104	87	16	1
YANKTON	201	196	2	1	266	257	8	1
ZIEBACH	16	8	8	-	7	3	4	-

TABLE 26

DEATHS BY STATE OF RESIDENCE AND OCCURRENCE BY RACE, 1987

	DEATHS IN SOUTH DAKOTA BY RESIDENCE STATE				SOUTH DAKOTA RESIDENT DEATHS BY STATE OF OCCURRENCE			
	TOTAL	WHITE	INDIAN	OTHER	TOTAL	WHITE	INDIAN	OTHER
ALL DEATHS	6,691	6,293	383	15	6,658	6,226	418	14
ALABAMA	-	-	-	-	1	1	-	-
ALASKA	2	2	-	-	1	1	-	-
ARIZONA	3	3	-	-	25	25	-	-
CALIFORNIA	15	14	-	1	9	7	2	-
COLORADO	5	1	1	-	41	34	6	1
DISTRICT OF COLUMBIA	-	-	-	-	2	1	-	1
FLORIDA	2	2	-	-	3	3	-	-
GEORGIA	-	-	-	-	2	2	-	-
IDAHO	-	-	-	-	2	2	-	-
ILLINOIS	3	3	-	-	3	3	-	-
IOWA	123	122	-	1	52	51	1	-
KANSAS	-	-	-	-	5	5	-	-
MARYLAND	1	1	-	-	2	2	-	-
MASSACHUSETTS	2	2	-	-	-	-	-	-
MICHIGAN	7	6	1	-	1	1	-	-
MINNESOTA	164	162	1	1	117	110	7	-
MISSOURI	2	2	-	-	7	7	-	-
MONTANA	7	6	1	-	4	4	-	-
NEBRASKA	92	87	5	-	47	30	17	-
NEVADA	1	1	-	-	-	-	-	-
NEW HAMPSHIRE	1	1	-	-	-	-	-	-
NEW JERSEY	1	1	-	-	-	-	-	-
NEW MEXICO	-	-	-	-	2	2	-	-
NORTH DAKOTA	24	22	2	-	86	75	11	-
OHIO	2	2	-	-	-	-	-	-
OKLAHOMA	2	2	-	-	-	-	-	-
OREGON	1	1	-	-	2	2	-	-
PENNSYLVANIA	1	1	-	-	3	3	-	-
RHODE ISLAND	-	-	-	-	1	1	-	-
SOUTH DAKOTA	6,208	5,824	372	12	6,208	5,824	372	12
TENNESSEE	3	3	-	-	2	2	-	-
TEXAS	1	1	-	-	10	10	-	-
UTAH	-	-	-	-	3	1	2	-
VIRGINIA	1	1	-	-	3	3	-	-
WASHINGTON	5	5	-	-	2	2	-	-
WEST VIRGINIA	-	-	-	-	1	1	-	-
WISCONSIN	3	3	-	-	2	2	-	-
WYOMING	18	18	-	-	8	8	-	-
CANADA	1	1	-	-	1	1	-	-

FIGURE 12

TEN LEADING CAUSES OF DEATH
SOUTH DAKOTA, 1987
(PERCENT OF TOTAL WHITE DEATHS)

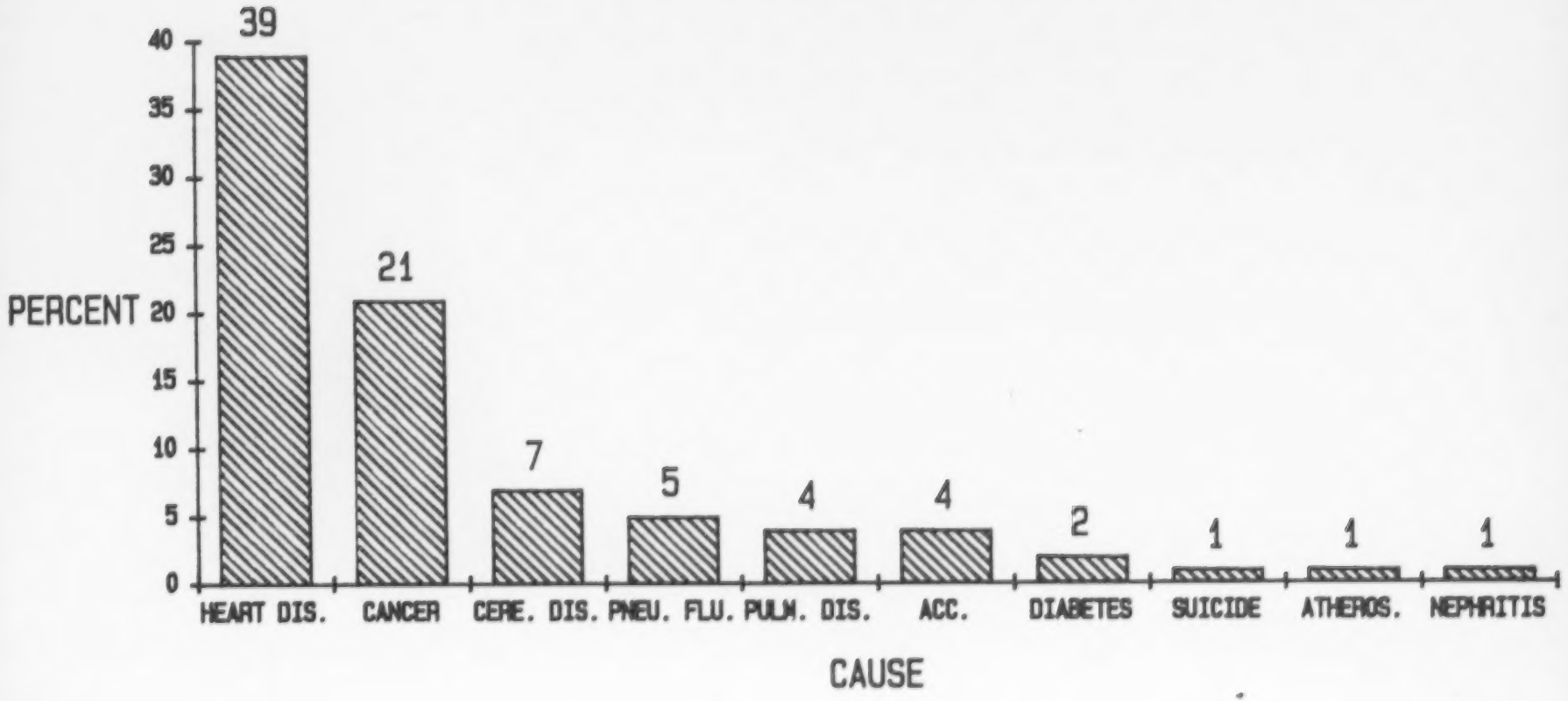


FIGURE 13

TEN LEADING CAUSES OF DEATH
SOUTH DAKOTA, 1987
(PERCENT OF TOTAL AMERICAN INDIAN DEATHS)

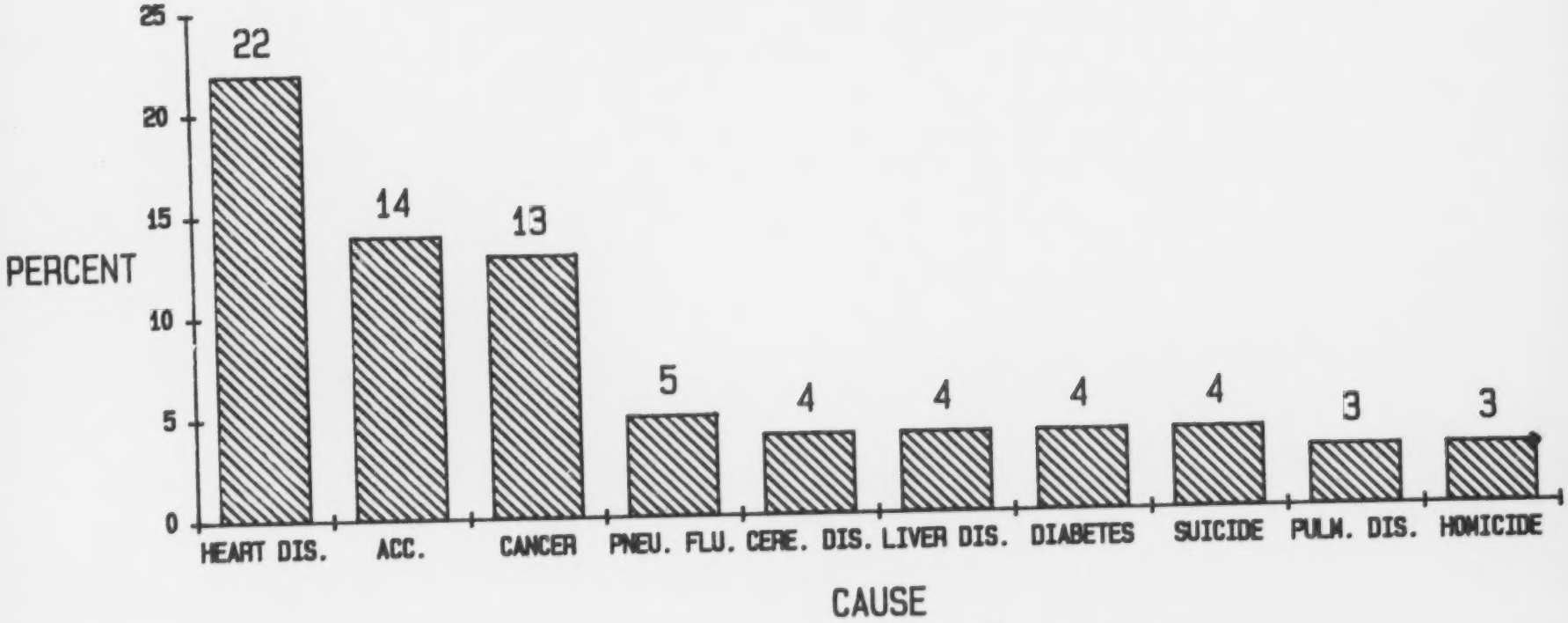


TABLE 27

RESIDENT LEADING CAUSES OF DEATH, 1987

CAUSE OF DEATH SOUTH DAKOTA	ALL RACES				WHITE			INDIAN		
	RANK	DEATHS 6,658	%	RATE	RANK	DEATHS 6,226	%	RANK	DEATHS 418	%
DISEASE OF THE HEART (390-398,402,404-429)	1	2,529	38.0	357.6	1	2,435	39.1	1	90	21.5
MALIGNANT NEOPLASMS (140-208)	2	1,379	20.7	195.0	2	1,321	21.2	3	55	13.2
CEREBROVASCULAR DISEASES (430-438)	3	487	7.3	68.9	3	468	7.5	5	19	4.5
PNEUMONIA AND INFLUENZA (480-487)	4	332	5.0	46.9	4	310	5.0	4	22	5.3
ACCIDENTS (E800-E949)	5	292	4.4	41.3	6	230	3.7	2	60	14.4
CHRONIC OBSTRUCTIVE PULMONARY DISEASES (490-496)	6	276	4.1	39.0	5	264	4.2	9	12	2.9
DIABETES MELLITUS (250)	7	122	1.8	17.3	7	105	1.7	7	17	4.1
SUICIDE (E950-E959)	8	103	1.5	14.6	8	87	1.4	8	16	3.8
ATHEROSCLEROSIS (440)	9	69	1.0	9.8	9	69	1.1	-	-	-
CHRONIC LIVER DISEASE AND CIRRHOSIS (571)	10	58	0.9	8.2	-	-	-	6	19	4.5
NEPHRITIS, NEPHROTIC SYNDRM. & NEPHROSIS (580-589)	-	-	-	-	10	42	0.7	-	-	-
HOMICIDE AND LEGAL INTERVENTION (E960-E978)	-	-	-	-	-	-	-	10	11	2.6
ALL OTHER CAUSES	-	1,011	15.2	143.0	-	895	14.4	-	97	23.2

RATE FOR ALL RACES IS PER 100,000 POPULATION.
NUMBERS FOLLOWING CAUSE OF DEATH ARE I.C.D. 9 CODES.
DUE TO ROUNDING OF DISEASE SPECIFIC DEATH RATES, THESE WILL NOT SUM TO STATE DEATH RATE.

FIGURE 14

LEADING CAUSES OF DEATH BY AGE, 1987

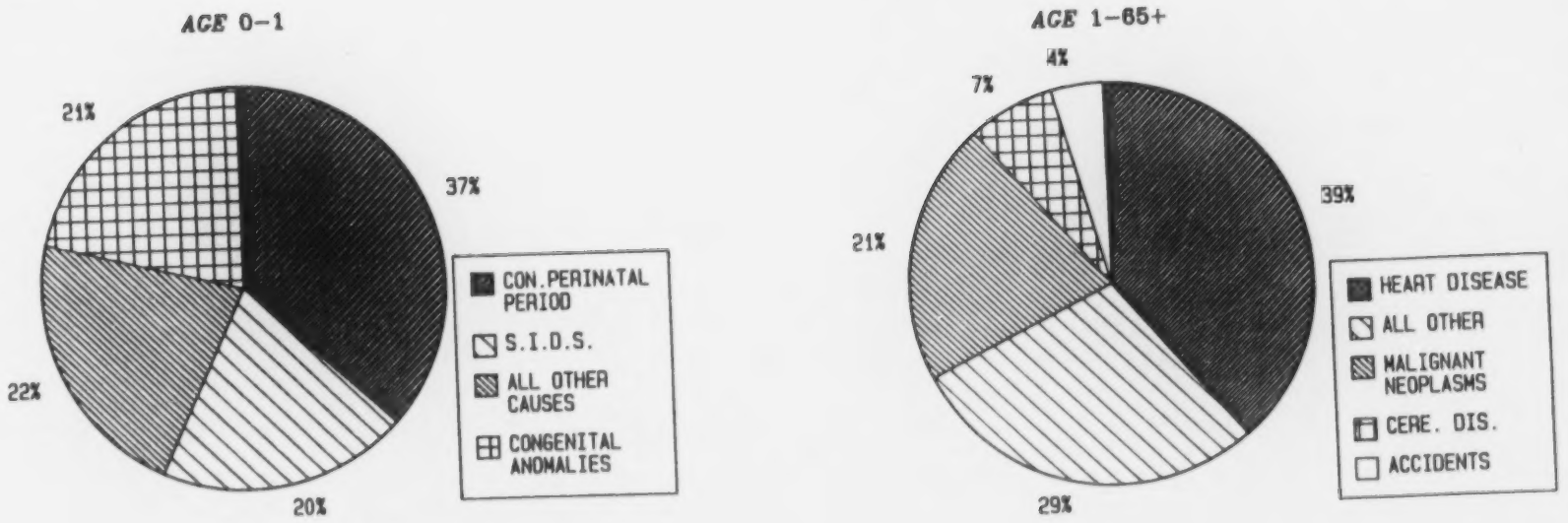


TABLE 28

RESIDENT DEATHS FROM SELECTED CAUSES BY RACE, SEX AND AGE GROUP, 1987

				AGE AT DEATH							
			TOTAL	UNDER 1	1 - 4	5 - 14	15 - 24	25 - 34	35 - 44	45 - 64	65+
			6658	114	40	28	94	135	151	915	5184
	RACE	SEX									
	WHITE	MALE	3275	49	17	13	54	71	82	530	2459
		FEMALE	2951	27	12	4	18	25	39	291	2535
	NON-WHITE	MALE	227	18	3	5	15	24	16	57	89
		FEMALE	205	20	8	3	7	15	14	37	101
CAUSE OF DEATH	RACE	SEX									
INFECTIOUS AND PARASITIC DISEASES	WHITE	MALE	22	-	-	-	-	2	-	2	18
		FEMALE	16	1	-	-	-	-	-	2	13
	NON-WHITE	MALE	2	-	-	-	-	-	-	1	1
		FEMALE	3	-	-	-	-	-	-	-	3
MALIGNANT NEOPLASMS INCLUDING NEOPLASMS	WHITE	MALE	719	-	-	2	2	7	16	164	528
		FEMALE	602	-	-	2	1	6	20	127	446
	NON-WHITE	MALE	28	-	-	1	-	-	-	7	20
		FEMALE	30	-	-	-	1	2	-	5	22
BENIGN NEOPLASMS AND NEOPLASMS OF	WHITE	MALE	7	-	-	-	1	-	-	2	4
		FEMALE	9	1	-	-	-	1	-	1	6
ALL OTHER DISEASES	WHITE	MALE	204	3	-	1	1	5	9	24	161
		FEMALE	247	1	1	-	-	8	2	22	213
	NON-WHITE	MALE	20	1	-	-	-	2	1	5	11
		FEMALE	24	3	-	-	-	1	4	4	12
DIABETES MELLITUS	WHITE	MALE	43	-	-	-	1	1	3	11	27
		FEMALE	62	-	-	-	-	-	-	5	57
	NON-WHITE	MALE	6	-	-	-	-	-	-	2	4
		FEMALE	11	-	-	-	-	1	-	5	5
NUTRITIONAL DEFICIENCIES	WHITE	MALE	3	-	-	-	-	-	-	-	3
		FEMALE	7	-	-	-	-	-	-	-	7
	NON-WHITE	MALE	1	-	-	-	-	-	-	-	1
		FEMALE	2	-	-	-	-	-	-	-	2

TABLE 28 (Con't)

RESIDENT DEATHS FROM SELECTED CAUSES BY RACE, SEX AND AGE GROUP, 1987

				AGE AT DEATH							
			TOTAL	UNDER 1	1 - 4	5 - 14	15 - 24	25 - 34	35 - 44	45 - 64	65+
ANEMIAS	WHITE	MALE	4	-	-	-	-	-	-	-	4
		FEMALE	5	-	-	-	-	-	-	-	5
	NON-WHITE	MALE	1	-	-	-	-	-	-	1	-
MENINGITIS	WHITE	MALE	6	1	3	-	-	-	-	-	2
		FEMALE	1	-	-	-	-	-	-	-	1
	NON-WHITE	FEMALE	1	1	-	-	-	-	-	-	-
DISEASES OF THE HEART	WHITE	MALE	1282	1	-	-	2	5	19	203	1052
		FEMALE	1153	1	-	-	-	3	4	74	1071
	NON-WHITE	MALE	51	1	-	1	-	-	3	21	25
		FEMALE	43	1	-	-	-	-	2	8	32
HYPERTENSION WITH OR WITHOUT RENAL	WHITE	MALE	12	-	-	-	-	-	-	1	11
		FEMALE	10	-	-	-	-	-	-	-	10
	NON-WHITE	FEMALE	1	-	-	-	-	-	-	-	1
CEREBROVASCULAR DISEASES	WHITE	MALE	172	-	-	-	-	-	1	18	153
		FEMALE	296	-	-	-	-	-	2	12	282
	NON-WHITE	MALE	7	-	-	-	-	-	-	2	5
		FEMALE	12	-	-	-	-	-	-	1	11
ATHEROSCLEROSIS	WHITE	MALE	27	-	-	-	-	-	1	-	26
		FEMALE	42	-	-	-	-	-	-	-	42
OTHER DISEASES OF ARTERIES,	WHITE	MALE	51	-	-	-	-	-	-	4	47
		FEMALE	34	-	-	-	-	-	-	2	32
	NON-WHITE	MALE	3	-	-	-	-	-	-	1	2
PNEUMONIA AND INFLUENZA	WHITE	MALE	151	-	-	-	-	2	1	8	140
		FEMALE	159	-	1	-	-	-	1	5	152
	NON-WHITE	MALE	15	1	-	-	-	3	-	3	8
		FEMALE	7	1	-	-	-	-	-	3	3

TABLE 28 (Con't)

RESIDENT DEATHS FROM SELECTED CAUSES BY RACE, SEX AND AGE GROUP, 1987

			TOTAL	AGE AT DEATH							
				UNDER 1	1 - 4	5 - 14	15 - 24	25 - 34	35 - 44	45 - 64	65+
CHRONIC OBSTRUCTIVE PULMONARY	WHITE	MALE	166	-	-	-	-	-	-	14	152
		FEMALE	98	-	-	-	1	-	1	19	77
	NON-WHITE	MALE	4	-	-	-	-	-	-	1	3
		FEMALE	8	-	-	-	-	-	-	6	2
ULCER OF STOMACH AND DUODENUM	WHITE	MALE	12	-	-	-	-	-	-	5	7
		FEMALE	17	-	-	-	-	-	-	2	15
	NON-WHITE	MALE	1	-	-	-	-	-	-	1	-
		FEMALE	1	-	-	-	-	-	-	-	1
HERNIA OF ABDOMINAL CAVITY	WHITE	MALE	7	-	-	-	-	-	-	-	7
		FEMALE	12	-	-	-	-	-	-	-	12
	NON-WHITE	FEMALE	1	-	-	-	-	-	-	-	1
CHRONIC LIVER DISEASE AND CIRRHOSIS	WHITE	MALE	22	-	-	-	-	-	3	10	9
		FEMALE	17	-	-	-	-	1	1	5	10
	NON-WHITE	MALE	13	-	-	-	-	1	5	4	3
		FEMALE	6	-	-	-	-	2	1	2	1
CHOLELITHIASIS AND OTHER	WHITE	MALE	3	-	-	-	-	-	-	1	2
		FEMALE	9	-	-	-	-	-	-	-	9
	NON-WHITE	MALE	2	-	-	-	-	-	-	1	1
		FEMALE	2	-	-	-	-	-	-	-	2
NEPHRITIS, NEPHROTIC SYNDROME, AND	WHITE	MALE	26	-	-	-	-	-	1	1	24
		FEMALE	16	-	-	-	1	-	-	1	14
INFECTIONS OF KIDNEY	WHITE	FEMALE	6	-	-	-	-	-	-	-	6
HYPERPLASIA OF PROSTATE	WHITE	MALE	1	-	-	-	-	-	-	-	1
COMPLICATIONS OF PREGNANCY,	WHITE	FEMALE	1	-	-	-	-	1	-	-	-

TABLE 28 (Con't)

RESIDENT DEATHS FROM SELECTED CAUSES BY RACE, SEX AND AGE GROUP, 1987

				AGE AT DEATH							
			TOTAL	UNDER 1	1 - 4	5 - 14	15 - 24	25 - 34	35 - 44	45 - 64	65+
CONGENITAL ANOMALIES	WHITE	MALE	16	12	3	1	-	-	-	-	-
		FEMALE	17	8	3	-	-	-	1	3	3
	NON-WHITE	MALE	2	2	-	-	-	-	-	-	-
		FEMALE	3	2	-	-	1	-	-	-	-
CERTAIN CONDITIONS ORIGINATING	WHITE	MALE	28	24	4	-	-	-	-	-	-
		FEMALE	8	8	-	-	-	-	-	-	-
	NON-WHITE	MALE	4	4	-	-	-	-	-	-	-
		FEMALE	5	4	1	-	-	-	-	-	-
SYMPTOMS, SIGNS, AND	WHITE	MALE	28	5	1	-	1	1	-	5	15
		FEMALE	30	5	-	-	-	-	1	4	20
	NON-WHITE	MALE	9	6	1	-	-	-	-	-	2
		FEMALE	11	8	-	-	-	-	-	-	3
ACCIDENTS AND ADVERSE EFFECTS	WHITE	MALE	173	-	6	5	28	30	19	41	44
		FEMALE	87	2	5	2	11	4	1	3	29
	NON-WHITE	MALE	39	3	2	3	7	10	6	4	3
		FEMALE	24	-	4	2	4	6	7	1	-
SUICIDE	WHITE	MALE	73	-	-	2	15	16	8	12	20
		FEMALE	14	-	-	-	3	1	4	4	2
	NON-WHITE	MALE	11	-	-	-	6	5	-	-	-
		FEMALE	5	-	-	1	1	1	-	2	-
HOMICIDE AND LEGAL INTERVENTION	WHITE	MALE	10	3	-	-	1	2	1	2	1
		FEMALE	5	-	2	-	1	-	1	-	1
	NON-WHITE	MALE	7	-	-	-	2	3	1	1	-
		FEMALE	4	-	3	-	-	1	-	-	-
ALL OTHER EXTERNAL CAUSES	WHITE	MALE	7	-	-	2	2	-	-	2	1
		FEMALE	1	-	-	-	-	-	-	-	1
	NON-WHITE	MALE	2	-	-	-	-	-	-	2	-
		FEMALE	1	-	-	-	-	1	-	-	-

TABLE 29

DEATHS FROM MALIGNANT NEOPLASMS BY COUNTY OF RESIDENCE, 1987

RESIDENT COUNTY	TOTAL		SITE OF MALIGNANT NEOPLASM													
			LIP, ORAL CAVITY, PHARYNX		DIGESTIVE ORGANS AND PERITONEUM		RESPIRATORY & INTRATHORACIC ORGANS		BONE, CONNECTIVE TISSUE, SKIN, BREAST		GENITOURINARY ORGANS		OTHER AND SPECIFIED SITES		LYMPHATIC & HAEMATOIETIC TISSUE	
	NUMBER	RATE*	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
SOUTH DAKOTA	1,579	195	12	2	282	54	335	48	150	21	235	32	119	17	146	21
AURORA	13	373	1	29	3	86	3	86	2	57	-	-	1	29	3	86
BEADLE	37	201	-	-	9	49	6	33	6	33	7	38	5	27	4	22
BENNETT	8	245	-	-	3	92	2	61	1	31	-	-	1	31	1	31
BON HOMME	22	280	1	13	7	89	3	38	2	25	4	51	1	13	4	51
BROOKINGS	27	108	1	4	6	24	6	24	1	4	6	24	3	12	4	16
BROWN	78	212	-	-	17	46	26	71	11	30	11	30	7	19	6	16
BRULE	16	279	1	19	3	56	4	74	1	19	3	56	1	19	2	37
BUFFALO	3	175	-	-	2	117	1	58	-	-	-	-	-	-	-	-
BUTTE	21	254	1	12	4	48	5	61	1	12	8	97	-	-	2	24
CAMPBELL	6	230	-	-	1	44	-	-	1	44	2	88	1	44	-	-
CHARLES MIX	25	268	-	-	8	82	5	51	2	21	6	61	2	21	4	41
CLARK	9	182	-	-	3	61	2	40	1	20	1	20	1	20	1	20
CLAY	16	117	-	-	5	37	1	7	2	15	3	22	4	29	1	7
CODINGTON	41	186	-	-	14	63	6	27	7	32	6	27	2	9	6	27
CORSON	5	95	-	-	1	19	3	57	-	-	-	-	-	-	1	19
CUSTER	12	181	-	-	4	60	3	45	1	15	1	15	2	30	1	15
DAVISON	40	235	-	-	12	67	11	62	6	34	9	51	1	6	1	6
DAY	14	176	1	13	5	63	-	-	2	25	3	38	2	25	1	13
DEUEL	9	172	-	-	1	19	3	57	-	-	3	57	1	19	1	19
DEWEY	10	183	-	-	2	37	1	18	2	37	2	37	2	37	1	18
DOUGLAS	10	253	-	-	3	76	2	51	1	25	3	76	-	-	1	25
EDMUNDS	13	260	-	-	4	80	2	40	2	40	2	40	1	20	2	40
FALL RIVER	22	277	-	-	2	25	8	101	2	25	5	63	4	50	1	13
FAULK	7	220	-	-	-	-	-	-	1	31	2	63	-	-	4	126
GRANT	13	137	-	-	5	53	5	53	1	11	2	21	-	-	-	-
GREGORY	16	270	-	-	2	34	5	84	-	-	3	51	5	84	1	17
HAAKON	7	239	1	34	3	102	2	68	-	-	1	34	-	-	-	-
HAMLIN	10	190	-	-	2	38	2	38	3	57	2	38	1	19	-	-
HAND	14	294	-	-	6	126	3	63	2	42	1	21	-	-	2	42
HANSON	4	120	-	-	3	90	-	-	1	30	-	-	-	-	-	-
HARDING	2	108	-	-	-	-	-	-	-	-	-	-	-	-	2	108
HUGHES	29	107	-	-	9	61	8	54	4	27	7	48	-	-	1	7
HUTCHINSON	21	230	1	11	10	110	2	22	4	44	4	44	-	-	-	-
HYDE	2	103	-	-	-	-	1	51	-	-	-	-	-	-	1	51
JACKSON	7	211	-	-	3	90	2	60	-	-	1	30	-	-	1	30
JERAULD	11	396	-	-	3	108	1	36	1	36	2	72	-	-	4	144
JONES	3	200	-	-	2	133	-	-	-	-	-	-	1	67	-	-
KINGSBURY	19	291	-	-	8	122	4	61	1	15	4	61	2	31	-	-
LAKE	27	246	-	-	7	64	3	27	5	46	7	64	3	27	2	18
LAWRENCE	30	156	-	-	6	31	12	63	2	10	5	26	3	16	2	10
LINCOLN	31	217	-	-	4	28	10	70	4	28	5	35	4	28	4	28
LYMAN	8	205	-	-	1	26	4	103	-	-	1	26	1	26	1	26
MCCOOK	14	223	-	-	5	80	1	16	1	16	4	64	2	32	1	16
MCPHERSON	19	496	1	26	7	183	2	52	4	104	3	78	-	-	2	52
MARSHALL	16	304	-	-	4	76	4	76	3	57	4	76	-	-	1	19
MEADE	28	130	-	-	7	33	8	37	2	9	4	19	4	19	3	14
MELLETTE	3	127	-	-	2	85	-	-	1	42	-	-	-	-	-	-
MINER	9	254	-	-	1	28	2	56	2	56	2	56	1	28	1	28
MINNEHAHA	233	197	1	1	70	59	62	52	23	19	36	30	19	16	22	19
MOODY	8	116	-	-	3	43	1	14	-	-	1	14	1	14	2	29
PENNINGTON	114	153	1	1	30	40	32	43	12	16	15	20	11	15	13	17
PERKINS	10	212	-	-	4	85	1	21	1	21	2	42	-	-	2	42
POTTER	9	212	-	-	3	86	3	80	1	27	1	27	-	-	-	-
ROBERTS	25	235	-	-	6	54	5	45	4	36	6	54	-	-	4	36
SANBORN	8	256	-	-	1	32	1	32	1	32	3	96	1	32	1	32
SHANNON	6	83	-	-	3	27	1	9	1	9	-	-	-	-	1	9
SPINK	27	296	-	-	7	77	8	88	-	-	3	33	4	44	5	55
STANLEY	5	202	-	-	-	-	3	121	1	40	-	-	1	40	-	-
SULLY	2	106	-	-	-	-	-	-	2	106	-	-	-	-	-	-
TODD	10	137	-	-	2	27	3	41	-	-	2	27	2	27	1	14
TRIPP	21	289	-	-	3	41	8	110	2	28	5	69	2	28	1	14
TURNER	23	251	-	-	7	76	4	44	1	11	6	65	2	22	4	44
UNION	12	111	1	9	2	18	6	55	-	-	1	9	1	9	1	9
WALWORTH	23	343	-	-	9	134	5	75	1	15	3	45	2	30	3	45
YANKTON	37	194	-	-	13	68	8	42	4	21	4	21	3	16	5	26
ZIEBACH	1	41	-	-	-	-	-	-	-	-	-	-	1	41	-	-

*RATE PER 100,000 POPULATION.

TABLE 30

DEATHS FROM SELECTED EXTERNAL CAUSES BY RACE AND SEX, 1987*

CAUSE OF DEATH	TOTAL	TOTAL				WHITE				INDIAN				OTHER			
		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE		MALE		FEMALE	
		NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
SOUTH DAKOTA	430	320	74.4	110	25.6	266	76.9	80	23.1	53	66.3	27	33.7	1	2.5	3	7.5
MOTOR VEHICLE	134	98	73.1	36	26.9	83	61.9	24	17.9	14	10.4	10	7.5	1	0.7	2	1.5
MOTOR VEHICLE NON-TRAFFIC	12	8	66.7	4	33.3	7	58.3	2	16.7	1	8.3	2	16.7	-	-	-	-
OTHER TRANSP.	6	6	100.0	-	-	6	100.0	-	-	-	-	-	-	-	-	-	-
POISON	6	5	83.3	1	16.7	5	83.3	1	16.7	-	-	-	-	-	-	-	-
FALLS	37	19	51.4	18	48.6	18	48.6	18	48.6	1	2.7	-	-	-	-	-	-
FIRES	13	9	69.2	4	30.8	5	38.5	-	-	4	30.8	4	30.8	-	-	-	-
DROWNING	15	10	66.7	5	33.3	8	53.3	4	26.7	2	13.3	1	6.7	-	-	-	-
FIREARMS	7	7	100	-	-	6	85.7	-	-	1	14.3	-	-	-	-	-	-
ALL OTHER ACCIDENT	56	47	83.9	9	16.1	36	64.3	8	14.3	11	19.6	1	1.8	-	-	-	-
SUICIDES	107	86	80.4	21	19.6	75	70.1	16	15.0	11	10.3	5	4.7	-	-	-	-
HOMICIDE & LEGAL INTERV.	25	15	60.0	10	40.0	9	36.0	6	24.0	6	24.0	4	16.0	-	-	-	-
ACCIDENT OR SELF INFLICTE	12	10	83.3	2	16.7	8	66.7	1	8.3	2	16.7	-	-	-	-	1	8.3

*INCLUDES DEATHS FROM INJURIES THAT OCCURRED IN SOUTH DAKOTA ONLY.

FIGURE 15

ACCIDENTAL AND VIOLENT DEATHS RESULTING FROM INJURY IN SOUTH DAKOTA, BY CAUSE, 1987

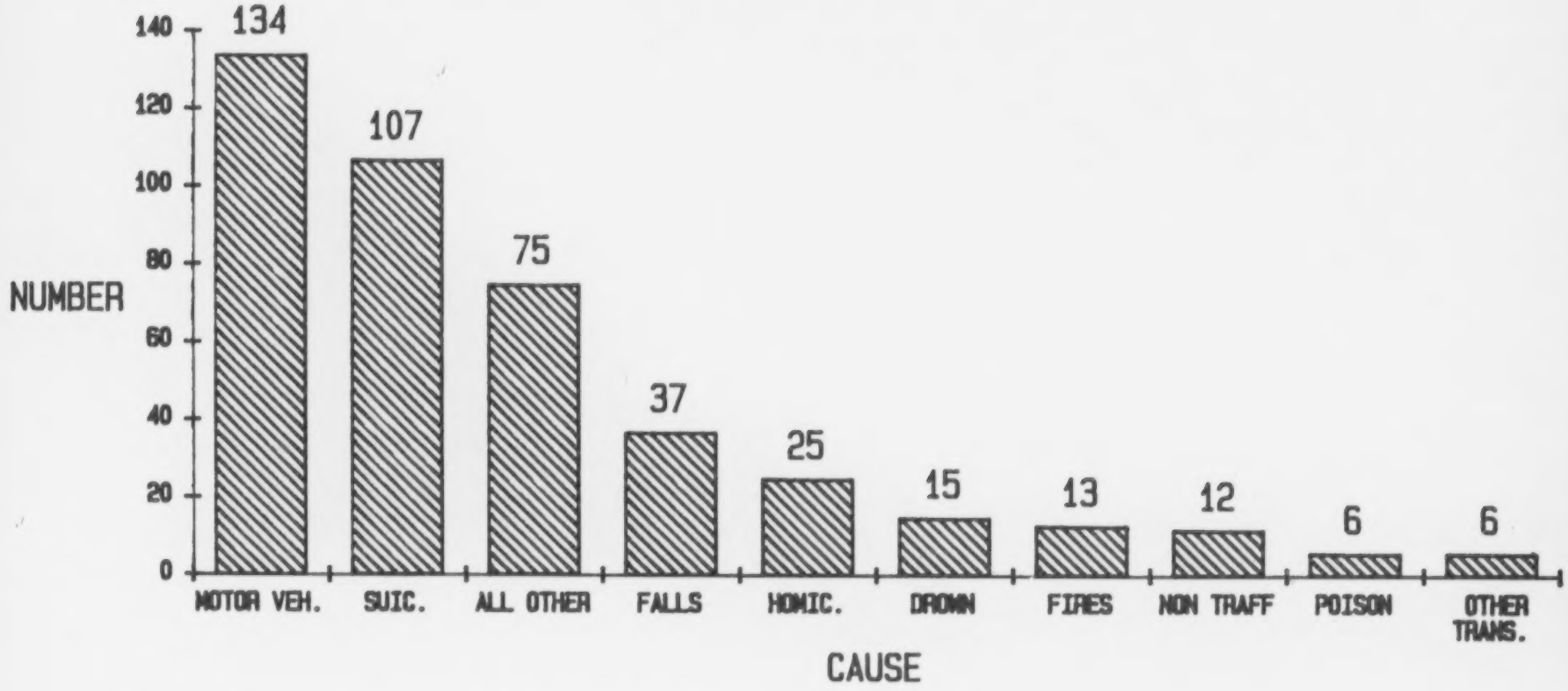


TABLE 31

EXTERNAL CAUSE OF DEATH BY COUNTY OF INJURY, 1987

	TOTAL	MOTOR VEHICLE	MOTOR VEHICLE NON-TRAFFIC	OTHER TRANSP.	POISON	FALLS	FIRE	DROWNING	FIREARMS	ALL OTHER ACCIDENT	SUICIDES	HOMICIDE & LEGAL INTERV.	ACCIDENT OR SELF INFLICTED
SOUTH DAKOTA	430	134	12	6	6	37	13	15	7	58	107	25	12
[illegible]	6	3	-	-	-	-	-	1	-	-	1	1	-
BENNETT	1	-	-	-	-	-	-	-	-	1	-	-	-
[illegible]	4	1	-	-	-	-	-	-	-	-	1	1	1
[illegible]	7	2	-	-	-	1	-	2	-	-	2	-	-
[illegible]	17	6	-	1	1	1	-	-	-	2	6	2	-
[illegible]	4	-	-	-	-	1	-	-	-	3	-	-	-
BUFFALO	5	-	-	-	-	-	-	-	-	1	3	1	-
BUTTE	4	3	-	-	-	-	-	-	-	-	1	-	-
CAMPBELL	1	-	-	-	-	-	-	-	-	-	1	-	-
CHARLES MIX	4	2	-	-	-	-	-	-	-	1	1	-	-
CLARK	3	1	-	-	-	-	1	-	-	-	1	-	-
CLAY	8	1	-	-	-	1	-	-	-	2	2	1	1
CODINGTON	10	2	-	-	-	-	1	-	-	1	4	1	1
CORSON	11	-	-	-	-	1	7	-	-	-	-	3	-
CUSTER	7	-	-	-	-	1	-	-	-	1	4	-	1
DAVISON	3	-	1	1	-	-	-	-	-	-	1	-	-
DAY	5	1	-	-	-	-	1	1	-	1	1	-	-
DEUEL	1	-	-	-	-	-	-	-	-	1	-	-	-
DEWEY	7	4	-	-	-	-	-	-	-	1	2	-	-
DOUGLAS	1	-	-	-	-	1	-	-	-	-	-	-	-
EDMUNDS	2	2	-	-	-	-	-	-	-	-	-	-	-
FALL RIVER	12	7	-	-	1	2	-	1	-	1	-	-	-
FAULK	2	1	-	-	-	-	-	-	-	1	-	-	-
GRANT	1	-	-	-	-	-	-	1	-	1	-	-	-
GREGORY	3	-	-	-	-	-	-	1	1	-	1	-	-
HAAKON	2	1	-	-	-	-	-	-	-	1	-	-	-
HAMLIN	5	2	-	-	-	-	-	-	-	1	2	-	-
HAND	1	-	-	-	-	-	-	-	-	1	-	-	-
HANSON	1	-	-	-	-	-	-	-	-	1	-	-	-
HARDING	1	1	-	-	-	-	-	-	-	-	-	-	-
HUGHES	8	4	1	-	-	-	1	-	-	1	1	-	-
HUTCHINSON	7	3	-	-	-	2	-	-	-	-	2	-	-
HYDE	2	2	-	-	-	-	-	-	-	-	-	-	-
JACKSON	3	2	-	-	-	-	-	-	-	1	-	-	-
JERAULD	3	1	-	-	-	1	-	-	-	1	-	-	-
JONES	1	-	-	-	-	-	-	-	-	1	-	-	-
KINGSBURY	3	1	-	-	-	-	-	-	-	-	2	-	-
LAKE	2	-	-	-	-	1	-	-	1	-	-	-	-
LAWRENCE	16	5	-	-	-	2	-	-	-	1	4	2	2
LINCOLN	14	8	-	-	-	2	-	-	-	1	3	-	-
LYMAN	7	4	-	-	-	-	-	-	1	-	1	1	-
MCCOOK	4	-	-	-	-	2	-	-	-	-	2	-	-
MCPHERSON	1	1	-	-	-	-	-	-	-	-	-	-	-
MARSHALL	3	-	-	-	-	-	-	-	-	-	2	1	-
MEADE	9	-	-	-	-	-	-	-	1	1	6	1	1
MELLETTE	1	-	-	-	-	1	-	-	-	-	-	-	-
MINER	1	-	-	-	-	-	-	-	-	-	1	-	-
MINNEHAHA	42	5	4	1	1	8	1	3	-	-	19	3	-
MOODY	6	5	-	-	-	-	-	-	-	-	1	-	-
[illegible]	64	23	3	-	-	3	-	2	1	2	16	2	2
[illegible]	3	1	-	-	-	1	-	-	-	-	-	-	1
POTTER	5	3	-	-	-	-	-	-	-	-	2	-	-
ROBERTS	4	1	-	-	-	-	-	-	1	1	1	-	-
SANBORN	4	1	-	3	-	-	-	-	-	-	-	-	-
SHANNON	16	10	1	-	-	-	-	-	-	2	1	2	-
SPINK	3	-	-	-	-	-	-	1	-	2	-	-	-
STANLEY	3	3	-	-	-	-	-	-	-	-	-	-	-
TODD	13	3	-	-	-	-	1	-	1	2	3	2	1
TRIPP	6	3	-	-	-	2	-	-	-	1	-	-	-
TURNER	1	-	-	-	-	1	-	-	-	-	-	-	-
UNION	5	2	-	-	-	-	-	-	-	1	2	-	-
WALWORTH	3	-	-	-	-	-	-	-	-	1	1	-	-
YANKTON	10	1	1	-	1	1	-	2	-	1	3	-	-
ZIEBACH	4	2	1	-	-	-	-	-	-	1	-	-	-
[illegible]	24	1	-	-	2	3	-	1	-	13	2	1	1

TABLE 32

SOUTH DAKOTA SUICIDES, 1960-1987

	TOTAL	% MALES	% WHITE	RATE (Per 100,000) Population	PMR*
1960	69	89.9	97.1	10.10	1.04
1961	49	73.5	95.9	7.07	.79
1962	80	87.5	96.3	11.3	1.22
1963	72	80.6	94.4	10.17	1.08
1964	70	90.0	85.7	9.99	1.06
1965	62	90.3	96.8	8.96	0.95
1966	67	73.1	92.5	9.91	1.02
1967	57	77.2	96.5	8.49	0.90
1968	60	81.7	80.0	8.97	0.92
1969	63	76.2	92.1	9.43	0.93
1970	61	68.9	83.6	9.16	0.93
1971	82	72.0	80.5	12.17	1.22
1972	74	66.2	79.7	10.88	1.05
1973	53	81.1	90.6	7.77	0.80
1974	69	81.2	88.4	10.13	1.05
1975	72	81.9	84.7	10.58	1.11
1976	75	85.3	84.0	10.94	1.11
1977	74	82.4	82.4	10.76	1.18
1978	79	79.8	83.5	11.41	1.22
1979	71	84.5	87.3	10.31	1.12
1980	89	84.3	78.7	12.88	1.36
1981	84	88.1	72.6	12.16	1.31
1982	95	82.1	89.5	13.75	1.44
1983	82	86.6	84.1	11.77	1.24
1984	89	88.8	91.0	12.77	1.38
1985	82	86.6	80.5	11.62	1.24
1986	105	85.4	84.5	14.83	1.56
1987	107	80.4	85.1	15.13	1.61

*Proportional Mortality Rate is the proportion of suicide deaths to all deaths; e.g., in 1987 there were 1.61 suicide deaths for every 100 deaths (from all causes).

Induced Abortions

INDUCED ABORTIONS AN OVERVIEW: 1987	
Total Induced Abortions in S.D. (Occurrences)	865
Total Induced Abortions in S.D. (Residents)	756

South Dakota began collecting abortion data in 1973, however, the first full year of data collection occurred in 1974. In 1987, 865 induced abortions were performed in South Dakota, 36.6 percent less than the 1986 figure of 1,364. The percentage of those abortions that were obtained by South Dakota residents was 87.4 percent in 1987, higher than the 79.0 percent figure for 1986.

Non-residents accounted for 12.6 percent of abortions occurring in South Dakota during 1987. Of the non-resident induced abortions occurring in South Dakota about 90.8 percent were residents of Iowa and Minnesota. Women from Iowa accounted for 51 induced abortions and women from Minnesota accounted for 48 induced abortions.

Of the 865 women obtaining abortions: 92.8 percent were white and 4.3 percent American Indian. Women aged 20-24 years obtained 31.2 percent of all induced abortions. This age group is followed closely by females 15-19 years old accounting for 31.0 percent of the induced abortions. Females age 18, 19, and 20 years received the largest number of abortions, 76, 84, and 70 respectively (see Table 35).

The majority of women (86.7 percent) obtaining induced abortions in 1987 had no previous abortions, whereas 13.3 percent had one or more previous abortions. Of the women obtaining abortions, 62.7 percent had no living children at the time of the abortion.

Over 78 percent of all South Dakota residents having induced abortions were not married at the time of termination. Over 97 percent of the induced abortions occurring in the 19 and under age group were to unmarried women compared to 53.0 percent for women 30 years and over.

TABLE 33

RESIDENT INDUCED ABORTIONS BY COUNTY OF RESIDENCE AND AGE GROUP, 1987

	TOTAL	AGE OF PATIENT							
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49
SOUTH DAKOTA	756	8	231	238	133	93	43	11	2
AURORA	2	-	1	-	-	-	-	-	1
BEADLE	18	-	7	6	2	2	1	-	-
BENNETT	2	-	-	2	-	-	-	-	-
BON HOMME	3	-	-	1	-	1	1	-	-
BROOKINGS	49	-	17	16	11	4	1	-	-
BROWN	27	-	11	7	6	2	1	-	-
BRULE	6	-	2	1	2	1	-	-	-
BUFFALO	2	-	-	2	-	-	-	-	-
BUTTE	1	-	1	-	-	-	-	-	-
CHARLES MIX	9	-	5	1	1	1	1	-	-
CLARK	4	-	1	1	1	-	1	-	-
CLAY	22	-	6	15	-	-	-	1	-
CODINGTON	16	-	8	4	4	-	-	-	-
CUSTER	5	-	2	-	2	1	-	-	-
DAVISON	32	-	6	13	5	5	3	-	-
DAY	5	-	-	1	1	1	2	-	-
DEUEL	4	-	1	1	1	-	-	1	-
DEWEY	3	-	-	-	3	-	-	-	-
DOUGLAS	6	-	1	1	1	2	1	-	-
FALL RIVER	2	-	1	-	1	-	-	-	-
GRANT	3	-	1	-	1	-	1	-	-
GREGORY	3	-	1	1	1	-	-	-	-
HAAKON	1	-	-	-	1	-	-	-	-
HAND	6	-	3	1	1	1	-	-	-
HUGHES	22	-	6	5	5	4	2	-	-
HUTCHINSON	6	-	3	2	1	-	-	-	-
HYDE	4	-	-	1	1	1	1	-	-
JACKSON	2	-	1	1	-	-	-	-	-
JERAULD	1	-	-	-	-	-	-	1	-
JONES	2	-	1	-	-	-	1	-	-
KINGSBURY	4	-	3	1	-	-	-	-	-
LAKE	10	-	4	4	1	1	-	-	-
LAWRENCE	15	-	2	4	3	2	2	2	-
LINCOLN	11	-	4	2	1	3	1	-	-
LYMAN	4	-	3	-	1	-	-	-	-
MCCOOK	1	-	-	1	-	-	-	-	-
MEADE	18	-	4	4	1	7	2	-	-
MELLETTE	2	-	-	1	1	-	-	-	-
MINNEHAHA	243	3	77	84	40	24	14	1	-
MOODY	3	-	-	2	-	1	-	-	-
PENNINGTON	120	1	28	39	23	22	4	2	1
PERKINS	1	-	-	-	-	1	-	-	-
POTTER	3	-	1	-	1	-	1	-	-
SANBORN	3	-	-	2	1	-	-	-	-
SHANNON	3	-	-	1	2	-	-	-	-
SPINK	4	-	3	-	-	-	-	1	-
SULLY	1	-	1	-	-	-	-	-	-
TODD	4	-	-	1	2	-	1	-	-
TRIPP	2	-	1	-	1	-	-	-	-
TURNER	5	1	2	1	-	-	-	1	-
WALWORTH	3	-	1	1	-	1	-	-	-
YANKTON	27	-	10	7	3	5	1	1	-
ZIEBACH	1	-	1	-	-	-	-	-	-

TABLE 34

INDUCED ABORTIONS IN SOUTH DAKOTA BY PATIENT'S STATE OF RESIDENCE AND AGE, 1987

	TOTAL	AGE OF PATIENT							
		UNDER 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49
TOTAL	865	6	268	270	152	103	49	14	3
IOWA	51	1	19	15	6	5	5	-	-
MARYLAND	1	-	-	1	-	-	-	-	-
MINNESOTA	48	-	16	12	11	5	1	2	1
NEBRASKA	8	-	2	4	1	-	-	1	-
OHIO	1	-	-	-	1	-	-	-	-
SOUTH DAKOTA	756	5	231	238	133	93	43	11	2

TABLE 35

INDUCED ABORTIONS OCCURRING IN SOUTH DAKOTA
BY AGE AND RACE OF PATIENT, 1987

	TOTAL	PATIENT'S RACE			
		WHITE	INDIAN	BLACK	OTHER
SOUTH DAKOTA	865	803	37	12	13
13	2	2	-	-	-
14	4	3	1	-	-
15	22	18	2	-	2
16	41	38	2	1	-
17	45	43	-	1	1
18	76	74	1	1	-
19	84	80	3	-	1
20	70	63	6	-	1
21	46	44	1	1	-
22	37	33	2	-	2
23	62	60	2	-	-
24	55	51	3	1	-
25	33	29	2	1	1
26	39	34	2	1	2
27	36	32	3	1	-
28	21	20	1	-	-
29	23	19	2	2	-
30	18	16	1	1	-
31	17	16	1	-	-
32	20	20	-	-	-
33	27	25	-	-	2
34	21	20	-	1	-
35	12	11	1	-	-
36	10	10	-	-	-
37	7	6	1	-	-
38	14	13	-	-	1
39	6	6	-	-	-
40	5	5	-	-	-
41	3	3	-	-	-
42	2	2	-	-	-
43	2	2	-	-	-
44	2	2	-	-	-
45	1	1	-	-	-
47	2	2	-	-	-

Marriages and Divorces

MARRIAGE AND DIVORCE AN OVERVIEW: 1987	
Total Marriages	6,993
S.D. Marriage Rate per 1,000 Population	9.9
U.S. Marriage Rate per 1,000 Population (Provisional)	9.9
Median Age of Groom	27
Median Age of Bride	24
Total Divorces and Annulments	2,696
S.D. Divorce Rate per 1,000 Population	3.8
U.S. Divorce Rate per 1,000 Population (Provisional)	4.8
Median Length of Marriage at Divorce (Years)	6

Marriages

In 1987, 6,993 marriages were performed in South Dakota (see Tables 36 and 37) compared to 7,386 in 1986. This figure is 393 or 5.3 percent less than marriages performed in 1986. The marriage rate was down slightly, dropping from 10.4 per 1,000 population in 1986 to 9.9 per 1,000 population in 1987.

The total number of marriages has declined for the past fourteen years. The lowest marriage rate reported in South Dakota was 6.4 in 1940, while the highest marriage rate was 18.0 in 1973. This marks the first time since 1960 that the South Dakota rate (9.9 per 1,000 population) is the same as the national rate.

The median age for brides in 1987 was 24 while the median age for grooms was 27. The youngest bride during 1987 was 14 years of age and the oldest bride was 83. The youngest groom was 16 and the oldest groom was 89. The largest number of brides and grooms were in the 20-24 age group, 35 percent and 32 percent respectively.

June was the most popular month for marriages in 1987 with 964 marriages performed. August was the next favorite month with 914 marriages performed. During the month of May through September 4,013 or 57.4 percent of all marriages were performed. The least popular month was January when 288 marriages were performed.

Divorces

In 1987, the number divorces and annulments occurring in South Dakota was 2,696 which represents an increase of 4.3 percent compared to the 1986 figure of 2,585. The 1987 divorce rate was 3.8 per 1,000 population, which is slightly higher than the 1986 rate of 3.7. South Dakota divorce rate has been consistently lower than the National rate over the years 1950-1987.

The median duration of a marriage at the time of divorce or annulment was 6 years in 1987. Over 64 percent of all divorces and annulments occurred in marriages of 9 years duration or less. Marriages of three years duration had the highest number of divorces and annulments, (258) followed closely by marriages of two years duration (236). Over 6 percent of the divorces and annulments occurred in marriages of 25 years duration and longer. In 1987, the longest duration of marriage at the time of divorce was 50 years.

Almost 59 percent of the divorces and annulments involved at least one child under 18 years of age. The number of children affected by divorces and annulments in 1987 was 2,936. This is 1.4 percent of the minor children in South Dakota. The number of divorces with children involved increased to 1,586 in 1987, a 2.7 percent increase from 1986.

In approximately 73 percent of the divorce and annulment cases involving children, custody was granted to the mother. The husband received custody in over 10 percent of the cases, 13 percent of the cases resulted in joint custody, while almost 3 percent resulted in split custody.

TABLE 36

COUNTY OF MARRIAGE AND NUMBER OF LICENSES ISSUED, 1987

	NUMBER OF LICENSES ISSUED	NUMBER OF MARRIAGES PERFORMED
SOUTH DAKOTA	6983	6983
AURORA	10	16
BEADLE	122	121
BENNETT	37	32
BON HOMME	37	46
BROOKINGS	264	209
BROWN	405	361
BRULE	47	37
BUFFALO	1	3
BUTTE	89	86
CAMPBELL	15	14
CHARLES MIX	62	76
CLARK	22	32
CLAY	93	92
CODINGTON	389	378
CORSON	26	24
CUSTER	78	94
DAVISON	197	168
DAY	55	61
DEUEL	44	57
DEWEY	33	35
DOUGLAS	23	36
EDMUNDS	22	37
FALL RIVER	104	106
FAULK	7	18
GRANT	159	142
GREGORY	27	27
HAAKON	17	16
HAMLIN	14	21
HAND	20	21
HANSON	9	18
HARDING	15	14
HUGHES	180	181
HUTCHINSON	34	71
HYDE	7	6
JACKSON	14	13
JERAULD	5	10
JONES	13	11
KINGSBURY	33	54
LAKE	68	69
LAWRENCE	198	210
LINCOLN	76	81
LYMAN	8	11
MCCOOK	39	55
MCPHERSON	11	20
MARSHALL	24	31
MEADE	139	159
MELLETTE	29	20
MINER	20	19
MINNEHAHA	1322	1239
MOODY	50	51
PENNINGTON	1104	1088
PERKINS	25	21
POTTER	18	21
ROBERTS	214	224
SANBORN	5	5
SHANNON	12	11
SPINK	49	69
STANLEY	18	12
SULLY	9	11
TODD	23	25
TRIPP	68	84
TURNER	58	67
UNION	412	415
WALWORTH	49	51
YANKTON	211	199
ZIEBACH	17	14

TABLE 37

MARRIAGES BY COUNTY OF OCCURRENCE, 1987
(BY RESIDENCE STATUS OF BRIDE AND GROOM)

	TOTAL	BRIDE OUT OF STATE RESIDENCE		BRIDE SOUTH DAKOTA RESIDENCE	
		GROOM OUT OF STATE RESIDENCE	GROOM SOUTH DAKOTA RESIDENCE	GROOM OUT OF STATE RESIDENCE	GROOM SOUTH DAKOTA RESIDENCE
SOUTH DAKOTA	6953	1061	153	485	4813
AURORA	15	5	-	1	9
BEADLE	121	7	7	9	98
BENNETT	32	11	-	1	20
BON HOMME	46	6	-	3	37
BROOKINGS	299	42	8	18	144
BROWN	351	47	8	32	277
BRULE	37	2	1	1	33
BUFFALO	3	-	-	1	2
BUTTE	86	20	4	9	53
CAMPBELL	14	2	1	2	9
CHARLES MIX	76	11	1	5	59
CLARK	32	3	-	2	27
CLAY	92	36	1	8	47
CODINGTON	378	190	8	13	161
CORSON	24	5	2	1	16
CUSTER	84	22	3	7	62
DAVISON	168	18	1	4	145
DAY	61	14	2	4	41
DEUEL	67	18	2	8	34
DEWEY	39	3	-	4	28
DOUGLAS	36	2	1	3	30
EDMUNDS	37	9	-	-	28
FALL RIVER	106	40	2	6	57
FAULK	18	3	1	2	13
GRANT	142	98	2	8	37
GREGORY	27	3	-	1	23
HAAKON	16	1	1	2	12
HAMLIN	21	1	-	3	17
HAND	21	1	-	3	17
HANSON	18	1	1	1	15
HARDING	14	4	2	3	5
HUGHES	181	19	1	8	154
HUTCHINSON	91	13	1	6	81
HYDE	6	1	-	1	4
JACKSON	13	-	1	-	12
JERAULD	10	2	-	1	7
JONES	11	2	-	-	9
KINGSBURY	54	5	1	3	45
LAKE	69	6	-	5	58
LAWRENCE	210	46	8	11	145
LINCOLN	81	9	1	9	62
LYMAN	11	-	1	1	9
MCCOOK	58	6	-	2	47
MCPHERSON	20	1	2	3	14
MARSHALL	31	7	-	3	21
MEADE	159	37	6	11	106
MELLETTE	20	-	1	1	18
MINER	18	1	1	-	17
MINNEHAHA	1230	230	14	64	931
MOODY	51	10	-	2	39
PENNINGTON	1088	214	30	139	685
PERKINS	31	11	2	4	14
POTTER	21	3	-	2	16
ROBERTS	234	152	2	4	68
SANBORN	6	1	-	1	3
SHANNON	11	-	1	1	9
SPINK	68	4	-	3	53
STANLEY	12	1	1	-	10
SULLY	11	2	-	1	8
TODD	33	1	1	2	31
TRIPP	84	9	4	5	66
TURNER	87	6	-	4	57
UNION	415	338	9	13	54
WALWORTH	51	9	1	2	39
YANKTON	190	97	6	11	76
ZIEBACH	14	-	-	-	14

TABLE 38

MARITAL TERMINATIONS BY COUNTY OF RESIDENCE OF PARTY TO WHOM GRANTED, 1987

	TOTAL	GRANTED TO WIFE	GRANTED TO HUSBAND
SOUTH DAKOTA	2986	1865	831
AURORA	1	0	1
BEADLE	66	46	20
BENNETT	12	9	3
BON HOMME	30	16	8
BROOKINGS	94	65	29
BROWN	166	134	32
BRULE	14	9	6
BUFFALO	2	1	1
BUTTE	41	28	13
CAMPBELL	3	2	1
CHARLES MIX	18	11	7
CLARK	6	4	2
CLAY	46	31	15
CODINGTON	84	66	18
CORSON	5	4	1
CUSTER	35	23	12
DAVISON	76	52	24
DAY	20	14	6
DEUEL	10	8	2
DEWEY	4	1	3
DOUGLAS	6	4	2
EDMUNDS	5	4	1
FALL RIVER	34	23	11
FAULK	7	2	5
GRANT	15	13	2
GREGORY	7	5	2
HAAKON	4	4	0
HAMLIN	11	10	1
HAND	8	4	4
HANSON	6	6	0
HARDING	2	2	1
HUGHES	49	34	15
HUTCHINSON	12	10	2
HYDE	2	2	1
JACKSON	13	8	5
JERAULD	7	4	3
JONES	1	1	0
KINGSBURY	10	4	6
LAKE	36	22	14
LAWRENCE	76	47	29
LINCOLN	47	28	19
LYMAN	7	3	4
MCCOOK	7	5	2
MCPHERSON	6	4	2
MARSHALL	7	6	1
MEADE	80	50	30
MELLETTE	6	3	3
MIDD	4	0	4
MINNEHAHA	588	436	142
MOODY	19	16	3
PENNINGTON	651	357	194
PERKINS	12	9	3
POTTER	7	6	1
ROBERTS	21	12	9
SANBORN	7	5	2
SPINK	36	24	12
STANLEY	12	8	4
SULLY	3	2	1
TODD	18	12	6
TRIPP	18	9	9
TURNER	35	19	13
UNION	39	30	8
WALWORTH	20	16	4
YANKTON	74	58	15
ZIEBACH	2	1	1
OUT OF STATE	35	15	15

Adolescents

Introduction

This section on adolescent vital statistics is new to the South Dakota annual report on "Vital Statistics and Health Status." The adolescent vital statistics section was developed because of the large number of requests for data on adolescents. Adolescents will be defined as those individuals 13 through 19 years of age. Most of the information is on adolescent births and pregnancies, and mortality. Individual county data will be provided as well as statewide information. Also, for certain vital events, data for the past five years will be detailed.

Overview of 1987 Adolescent Vital Statistics and Adolescent Population

Table 39 summarizes vital events for adolescents in South Dakota by county for 1987. As the table indicates, there were 1,191 births to adolescent mothers during 1987. There were also 236 abortions and 9 fetal deaths to South Dakota resident adolescents. Fifty-five South Dakota adolescents died during 1987.

As Table 40 indicates, there are about 71,000 adolescents residing in South Dakota. Population estimates for July 1987 indicate that the adolescent population comprises about ten percent of the total South Dakota population. In 1980, the adolescent population comprised over 13 percent of the total population. Since 1980, the adolescent population in this state has decreased by almost 22 percent while the total state population has increased by almost 3 percent.

Pregnancies and Births

In 1987, there were 1,191 total live resident births to South Dakota adolescent mothers. Of these 1,191 births, 758 were to white mothers, 419 were to Indian mothers, and 14 were to mothers of other races. Table 41 provides data on adolescent births by race for the years 1983 through 1987. Since 1983, the total number of births to South Dakota adolescents has declined by 277 or 18.9 percent. However, as previously indicated, the number of adolescents has declined by almost 22 percent. Since 1986, the number of births to adolescent mothers in South Dakota increased by 63 births or 5.6 percent. The number of births to Indian adolescents has increased slightly over the five year period while the number of births to White adolescents has declined.

Births to adolescents by marital status for the time period 1983-1987 are provided in Table 42. During 1987, 795 of the adolescent births or 66.7 percent were to unwed adolescent mothers. This percentage has increased from 1983 when just over 50 percent of the adolescent births were to unwed mothers.

Table 43 indicates trimester prenatal care began for births to adolescents during 1987 (for tabulation of prenatal care, those pregnancies that resulted in a live birth are counted, multiple births have been considered as one pregnancy). Over one half of the prenatal care began after the first trimester for adolescent mothers. This compares to about 26 percent for all single live births to South Dakota residents. White adolescents are more likely to begin prenatal care in the first trimester than Indian adolescents, 55.6 percent compared to 38.8 percent. Over five percent of the Indian adolescents that gave birth did not receive prenatal care, 23 out of the 415 single live births to Indian adolescents. Table 44 provides data on prenatal care by trimester for 1983-1987 for South Dakota adolescents. This table also combines 1983-1987 data by race.

Adolescent Mortality

During 1987, 55 South Dakota adolescents died. As Table 45 indicates, accidents were the leading cause of death, as it has been since 1983. Over the five year period, 1983-1987, 291 resident adolescents died with 155 deaths or 53.3 percent due to accidents. Accidents, suicide, homicide and legal intervention accounted for 230 of the 291 deaths to adolescents during the past five years. Malignant neoplasms or cancer accounted for 21 or just over 7 percent of the adolescent deaths.

Table 46 indicates the leading causes of death for resident adolescents by sex. Over 78 percent of the adolescent deaths were to males, 43 out of the 55 deaths. Accidents were the leading cause for both sexes followed by suicide.

Motor vehicle accidents accounted for a large percentage of accidental deaths to South Dakota youth. During 1987, 26 of the 28 adolescent deaths were caused by motor vehicle accidents. Over the past five years, 111 adolescents (78 male and 33 female) died as a result of motor vehicle accidents. Motor vehicle accidents accounted for 72 percent of the accidental deaths and 38 percent of all the adolescent deaths during the five year period, 1983-1987 (See Table 47 and 48).

Suicides were the second leading cause of death for South Dakota adolescents. During 1987, 13 residents died as a result of suicide. Over the five year period, 1983-1987, 54 South Dakota adolescents committed suicide for an average of 10.8 per year. Males were more likely to commit suicide than females, 10 of the 13 during 1987 and 44 of the 54 over the past five years (See Table 49). Table 50 depicts adolescent suicides by race. White adolescents committed more suicides than Indian, 10 as compared to 3 in 1987 and 35 as compared to 19 over the past five years. However, Indian adolescents account for approximately ten percent of the South Dakota adolescent population but accounted for over 35 percent of the adolescent suicides over the past five years.

TABLE 39

SOUTH DAKOTA ADOLESCENT (13-19) VITAL STATISTICS BY COUNTY, 1987
(BIRTHS, DEATHS, ABORTIONS, FETAL DEATHS AND PREGNANCIES
ARE BY COUNTY OF RESIDENCE, MARRIAGES BY COUNTY OF OCCURRENCE)

COUNTY	BIRTHS	DEATHS	FETAL DEATHS	ABORTIONS	PREGNANCIES	MARRIAGES
SOUTH DAKOTA	1,191	88	9	236	1,428	1,047
AURORA	1	-	-	1	2	-
BEADLE	29	-	-	7	36	21
BENNETT	15	-	-	-	15	8
BON HOMME	6	-	-	-	6	6
BROOKINGS	22	2	1	17	40	23
BROWN	40	3	-	11	51	47
BRULE	7	-	-	2	9	6
BUFFALO	12	-	-	-	12	2
BUTTE	13	2	-	1	14	7
CAMPBELL	1	-	-	-	1	2
CHARLES MIX	24	2	-	5	29	16
CLARK	7	-	-	1	8	8
CLAY	12	1	1	6	19	8
CODINGTON	21	-	-	8	29	45
CORSON	20	1	-	-	20	6
CUSTER	8	1	-	2	11	8
DAVISON	12	-	-	6	18	30
DAY	6	-	-	-	8	14
DEUEL	1	1	-	1	2	8
DEWEY	29	4	-	-	27	8
DOUGLAS	5	-	-	1	6	8
EDMUNDS	2	1	-	-	2	6
FALL RIVER	19	-	-	1	20	20
FAULK	3	-	-	-	3	2
GRANT	15	1	-	1	16	20
GREGORY	12	-	-	1	13	7
HAAKON	2	-	-	-	2	3
HAMLIN	1	2	-	-	1	6
HAND	3	1	-	3	6	2
HANSON	1	-	-	-	1	4
HARDING	3	-	-	-	3	4
HUGHES	27	-	1	6	34	24
HUTCHINSON	8	-	1	3	9	8
HYDE	2	-	-	-	2	1
JACKSON	9	-	-	1	10	2
JERAULD	3	-	-	-	3	1
JONES	3	-	-	1	4	1
KINGSBURY	5	2	-	3	8	8
LAKE	5	-	-	4	9	13
LAWRENCE	28	1	-	2	30	30
LINCOLN	13	-	-	4	17	10
LYMAN	12	-	-	3	15	2
MCCOOK	9	-	-	-	7	10
MCPHERSON	1	1	-	-	1	4
MARSHALL	2	-	-	-	2	4
MEADE	33	-	1	4	38	25
MELLETTE	11	-	-	-	11	9
MINER	-	-	-	-	-	8
MINNEHAHA	157	6	1	80	236	142
MOODY	12	-	-	-	12	13
PENNINGTON	206	10	1	29	236	178
PERKINS	1	3	-	-	1	6
POTTER	2	1	-	1	3	1
ROBERTS	30	-	-	-	30	36
SANBORN	1	-	-	-	1	3
SHANNON	104	1	1	-	105	1
SPINK	14	1	-	3	17	18
STANLEY	7	-	-	-	7	1
SULLY	1	-	-	1	2	3
TODD	59	3	1	-	60	7
TRIPP	12	2	-	1	11	15
TURNER	10	-	-	3	13	13
UNION	11	-	-	-	11	83
WALWORTH	6	-	-	1	7	6
YANKTON	21	3	-	10	31	39
ZIEBACH	14	-	-	1	15	4

TABLE 40

SOUTH DAKOTA 1980 AND 1987
TOTAL AND ADOLESCENT POPULATION

South Dakota Population	1980	1987
Total Population	690,768	709,000*
Female Population	350,085	359,000*
Male Population	340,683	351,000*
South Dakota Adolescent Population (13-19)		
Total Adolescent Population	90,889	71,000*
Female Adolescent Population	45,015	35,000*
Male Adolescent Population	45,874	36,000*

* May not add due to rounding.

Source: U.S. Department of Commerce, Bureau of the Census.
State Data Center, USD, Vermillion.

TABLE 41
SOUTH DAKOTA RESIDENT ADOLESCENT BIRTHS BY AGE AND RACE,
1983-1987

	1983				1984				1985				1986				1987			
MOTHER'S AGE	TOTAL	WHITE	INDIAN	OTHER	TOTAL	WHITE	INDIAN	OTHER	TOTAL	WHITE	INDIAN	OTHER	TOTAL	WHITE	INDIAN	OTHER	TOTAL	WHITE	INDIAN	OTHER
TOTAL 13-19	1468	1062	391	15	1339	967	357	15	1234	835	388	11	1128	746	364	18	1191	758	419	14
13	1	-	1	-	1	-	1	-	2	-	2	-	1	-	1	-	2	1	1	-
14	8	3	5	-	13	5	8	-	17	5	12	-	11	2	8	1	7	3	4	-
15	42	21	21	-	32	14	18	-	36	22	14	-	47	19	28	-	61	26	34	1
16	131	77	52	2	116	76	38	2	114	78	35	1	109	56	52	1	115	55	58	2
17	236	161	72	3	231	152	78	1	227	144	83	-	208	135	71	2	199	124	73	2
18	445	334	108	3	401	288	107	6	348	227	119	2	313	224	87	2	351	232	115	4
19	605	466	132	7	545	432	107	6	490	359	123	8	439	310	117	12	456	317	134	5

TABLE 42
SOUTH DAKOTA RESIDENT ADOLESCENT BIRTHS BY AGE AND
MARITAL STATUS OF MOTHER, 1983-1987

	1983			1984			1985			1986			1987		
MOTHER'S AGE	TOTAL	MARRIED	NOT MARRIED	TOTAL	MARRIED	NOT MARRIED	TOTAL	MARRIED	NOT MARRIED	TOTAL	MARRIED	NOT MARRIED	TOTAL	MARRIED	NOT MARRIED
TOTAL 13-19	1468	732	736	1339	672	667	1234	538	696	1128	472	656	1191	396	795
13	1	-	1	1	-	1	2	-	2	1	-	1	2	-	2
14	8	-	8	13	-	13	17	-	17	11	-	11	7	-	7
15	42	6	36	32	3	29	36	2	34	47	1	46	61	6	55
16	131	36	95	116	30	86	114	28	86	109	22	87	115	23	92
17	236	81	155	231	83	148	227	63	164	208	60	148	199	32	167
18	445	233	212	401	209	192	348	156	192	313	138	175	351	123	228
19	605	376	229	545	347	198	490	289	201	439	251	188	456	212	244

TABLE 43
SOUTH DAKOTA ADOLESCENT SINGLE LIVE BIRTHS BY AGE COHORT,
TRIMESTER PRENATAL CARE BEGAN AND RACE, 1987

	Total	First Trimester		Second Trimester		Third Trimester		No Prenatal Care		Not Stated	
Total		N	%	N	%	N	%	N	%	N	%
All Races	1,183	585	49.5	438	37.0	115	9.7	38	3.2	7	0.6
13-14	9	3	33.3	5	55.6	1	11.1	0	0.0	0	0.0
15-17	375	167	44.5	146	38.9	44	11.7	17	4.5	1	0.3
18-19	799	415	51.9	287	35.9	70	8.8	21	2.6	6	0.8
White	754	419	55.6	268	35.5	47	6.2	15	2.0	5	0.7
13-14	4	2	50.0	2	50.0	0	0.0	0	0.0	0	0.0
15-17	205	103	50.2	75	36.6	21	10.2	5	2.4	1	0.5
18-19	545	314	57.6	191	35.0	26	4.8	10	1.8	4	0.7
Indian	415	161	38.8	163	39.3	66	15.9	23	5.5	2	0.5
13-14	5	1	20.0	3	60.0	1	20.0	0	0.0	0	0.0
15-17	165	62	37.6	68	41.2	23	13.9	12	7.3	0	0.0
18-19	245	98	40.0	92	37.6	42	17.1	11	4.5	2	0.8
Other	14	5	35.7	7	50.0	2	14.3	0	0.0	0	0.0
13-14	0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-17	5	2	40.0	3	60.0	0	0.0	0	0.0	0	0.0
18-19	9	3	33.3	4	44.5	2	22.2	0	0.0	0	0.0

NOTE: For tabulation of prenatal care, those pregnancies that resulted in a live birth are counted. Multiple births have been considered as one pregnancy.

TABLE 44
SOUTH DAKOTA RESIDENT ADOLESCENT SINGLE LIVE BIRTHS BY
TRIMESTER PRENATAL CARE BEGAN AND RACE, 1983-1987

Year/ Race	Total	Trimester Prenatal Care Began: First Trimester	Second Trimester	Third Trimester	No Prenatal Care	Not Stated
1983-1987	6,314	3,210	2,225	579	235	65
Percent	100%	51%	35%	9%	4%	1%
1983	1,464	750	495	140	63	16
Percent	100%	51%	34%	10%	4%	1%
1984	1,331	670	464	117	71	9
Percent	100%	50%	35%	9%	5%	1%
1985	1,224	634	431	98	42	19
Percent	100%	52%	35%	8%	3%	2%
1986	1,112	571	397	109	21	14
Percent	100%	52%	35%	10%	2%	1%
1987	1,183	585	438	115	38	7
Percent	100%	49%	37%	10%	3%	1%
White(1983-1987)	4,340	2,419	1,516	290	83	32
Percent	100%	56%	35%	7%	2%	1%
Indian(1983-1987)	1,901	764	675	282	147	33
Percent	100%	40%	35%	15%	8%	2%
Other(1983-1987)	72	27	33	7	5	0
Percent	100%	38%	46%	10%	7%	0%
Unknown(1983-1987)	1	0	1	0	0	0
Percent	100%	0%	100%	0%	0%	0%

NOTE: For tabulation of prenatal care those pregnancies that resulted in a live birth are counted. Multiple births have been considered as one pregnancy.

TABLE 45
SOUTH DAKOTA RESIDENT LEADING CAUSES OF ADOLESCENT DEATH,
1983-1987

Cause of Death	1983	1984	1985	1986	1987	1983-1987 Total
Total	65	66	47	58	55	291
Accidents	33	43	28	23	28	155
Suicide	9	9	6	17	13	54
Homicide and Legal Intervention	8	2	4	4	3	21
Malignant Neoplasms	2	5	4	8	2	21
Disease of the Heart	2	2	2	-	2	8
All Other	11	5	3	6	7	32

TABLE 46
SOUTH DAKOTA RESIDENT LEADING CAUSES OF ADOLESCENT DEATH
BY SEX, 1987

Cause of Death	Total/All Races		Male		Female	
	Rank	Deaths	Rank	Deaths	Rank	Deaths
Total		55		43		12
Accidents	1	28	1	22	1	6
Suicide	2	13	2	10	2	3
Homicide and Legal Intervention	3	3	3	2	3	1
Malignant Neoplasms	4	2	4	2	-	-
Disease of the Heart	5	2	5	2	-	-
All Other Causes	-	7	-	5	-	2

TABLE 47
SOUTH DAKOTA RESIDENT ADOLESCENT MOTOR VEHICLE DEATHS
BY AGE COHORT AND SEX, 1983-1987
(TRAFFIC AND NONTRAFFIC)

Age and Sex	Total 1983-1987	1983	1984	1985	1986	1987
Total Adolescent (13-19)						
Total	111	22	28	19	16	26
Male	78	18	16	12	12	20
Female	33	4	12	7	4	6
13-14						
Total	5	2	2	1	2	2
Male	3	2	2	1	1	2
Female	2	-	-	-	1	-
15-17						
Total	30	12	11	11	6	8
Male	23	10	5	5	5	6
Female	7	2	6	6	1	2
18-19						
Total	19	8	15	7	8	16
Male	18	6	9	6	6	12
Female	1	2	6	1	2	4

TABLE 48
RESIDENT ADOLESCENT MOTOR VEHICLE DEATHS BY AGE COHORT
AND RACE, 1983-1987
(TRAFFIC AND NONTRAFFIC)

Age and Race	Total 1983-1987	1983	1984	1985	1986	1987
Total Adolescent (13-19)						
Total	111	22	28	19	16	26
White	84	17	19	14	13	21
Indian	27	5	9	5	3	5
13-14						
Total	9	2	2	1	2	2
White	6	2	2	1	-	1
Indian	3	-	-	-	2	1
15-17						
Total	48	12	11	11	6	8
White	35	8	9	8	5	5
Indian	13	4	2	3	1	3
18-19						
Total	54	8	15	7	8	16
White	43	7	8	5	8	15
Indian	11	1	7	2	-	1

TABLE 49
SOUTH DAKOTA RESIDENT ADOLESCENT SUICIDES BY AGE COHORT
AND SEX, 1983-1987

Sex and Age	Total 1983-1987	1983	1984	1985	1986	1987
Total Adolescent (13-19)						
Total	54	9	9	6	17	13
Male	44	7	7	5	15	10
Female	10	2	2	1	2	3
13-14						
Total	5	-	1	-	1	3
Male	3	-	-	-	1	2
Female	2	-	1	-	-	1
15-17						
Total	30	6	5	4	10	5
Male	23	4	5	3	8	3
Female	7	2	-	1	2	2
18-19						
Total	19	3	3	2	6	5
Male	18	3	2	2	6	5
Female	1	-	1	-	-	-

TABLE 50
SOUTH DAKOTA RESIDENT ADOLESCENT SUICIDES BY AGE COHORT
AND RACE, 1983-1987

Age and Race	Total 1983-1987	1983	1984	1985	1986	1987
Total Adolescent (13-19)						
Total	54	9	9	6	17	13
White	35	4	5	2	14	10
Indian	19	5	4	4	3	3
13-14						
Total	5	-	1	-	1	3
White	2	-	-	-	-	2
Indian	3	-	1	-	1	1
15-17						
Total	30	6	5	4	10	5
White	21	3	4	1	9	4
Indian	9	3	1	3	1	1
18-19						
Total	19	3	3	2	6	5
White	12	1	1	1	5	4
Indian	7	2	2	1	1	1

Communicable Diseases

COMMUNICABLE DISEASE MORBIDITY

The South Dakota Department of Health is authorized by state law to collect and process mandatory reports of communicable diseases from physicians, hospitals, laboratories, and institutions. This includes designating certain diseases as "reportable" as well as establishing the mechanics for reporting communicable diseases and the use of public health measures for control purpose.

VACCINE-PREVENTABLE DISEASES

Remarkable accomplishments have been made in reducing vaccine-preventable disease morbidity and mortality during the past 20 years. Factors contributing to disease reduction during this period include enacting a statewide school immunization law in 1971; implementing child-care facility immunization standards; providing new vaccines in public clinics (measles vaccine distribution began in 1967, rubella in 1969, and mumps in 1976); and, since 1978, providng adequate free supplies of all childhood vaccines for private and public clinic use.

Immunization activities in South Dakota have been greatly intensified since 1977. A National Childhood immunization initiative (April 1977 - October 1979) defined and achieved two major goals: (1) ensuring that at least 90 percent of the nation's children had received needed vaccines, and (2) developing a permanent system to maintain this level of protection.

In 1987, and for the eighth consecutive year, there were no cases of measles reported in South Dakota. Likewise, there were no cases of diphtheria or polio. In fact, South Dakota has been polio-free since 1964. There was one reported case of tetanus in 1986, none in 1987.

There were also no cases of rubella reported in South Dakota during 1987. Rubella is a common childhood rash disease that is often overlooked or misdiagnosed. By far, the most important consequences of rubella are the fetal deaths and anomalies that frequently result from rubella infection in early pregnancy. Preventing infection of the fetus and consequently congenital rubella syndrome is a major objective of rubella immunization programs. Rubella morbidity in South Dakota has also been significantly affected by measles elimination activities, since immunization programs generally have utilized a combined measles-mumps-rubella vaccine. One delayed case of congenital rubella syndrome that occurred in 1978 was reported in South Dakota in 1983, the first since 1974.

During 1987, South Dakota experienced a significant outbreak of mumps in young adults - mainly college-age adults. Eighty-nine (89) cases of mumps were reported from 5 universities and colleges.

In 1986, after 15 years of nearly continuous decline in the reported incidence of mumps in the United States, there was an increase in reported cases. In 1987, a fourfold increase over 1986 was observed. This pattern is in keeping with the history of immunization in the United States. It was not until 1977 that the Immunization Practices Advisory Committee (ACIP) first began to recommend routine use of mumps vaccine for children 12 months of age or older. A more aggressive approach to the vaccination of susceptible older children and young adults was not advocated until 1980.

With the gradual accumulation and increasing age of the pool of susceptibles, outbreaks are extending beyond secondary schools into colleges and even the workplace. Mumps is becoming a disease of adults instead of children.

During 1987, 4 cases of pertussis were reported in South Dakota. Complications of pertussis include pneumonia, otitis media, atelectasis, emphysema, bronchiectasis, convulsions, and brain damage. Death occurs in one percent or less of infections. The disease is most severe in young infants; 70 percent of all deaths occur during the first year of life. The efficacy of the current pertussis vaccine and its generalized use, have resulted in remarkable reductions in pertussis morbidity and mortality over the past five decades.

SEXUALLY TRANSMITTED DISEASES

Gonorrhea

In South Dakota, gonorrhea continues to rank first among reportable sexually transmitted diseases. The number of cases of gonorrhea reported in South Dakota decreased from 815 in 1986 to 659 in 1987. The 1987 incidence reflects the general declining trend of reported gonorrhea in South Dakota observed since 1977, when 1,656 cases were reported (see Figure 13). During this same time period, the number of cases reported annually in the United States has declined less dramatically.

South Dakota's 1987 gonorrhea case rate was 93.4 per 100,000 population, which is considerably less than that of the national case rate of 339.5. South Dakota's gonorrhea incidence is at a level where domestic eradication is an achievable goal. Subsequently, in 1987 a plan was established to achieve domestic eradication of gonorrhea (defined as 50 cases per 100,000 population with half the cases having an out-of-state source of infection or being within one generation of an out-of-state source). The plan addresses such areas of gonorrhea control as disease intervention, clinician training, disease reporting, and STD education.

The incidence of gonorrhea has generally been highest in the sexually active age groups, with a peak among 20-24 year-olds of both sexes. Gonorrhea rates among males and females are about the same, suggesting that control program elements are properly balanced.

Gonorrhea is more often reported in Indians than in whites. The gonorrhea case rate among Indians in South Dakota approaches 672 per 100,000 population and represents 48.7 percent of the total reported statewide morbidity.

Pelvic inflammatory disease (PID) is a major complication of untreated gonorrhea in women. Since 1978, the South Dakota Department of Health has undertaken a program directed toward the identification of women with these complications. Gonococcal pelvic inflammatory disease (GPID) results in significant medical problems. It is linked with recurrent pelvic infections, ectopic pregnancy, and sterility. The economic costs associated with these conditions are very high.

In 1981, the first case of penicillinase-producing Neisseria gonorrhoeae (PPNG) was reported in South Dakota. This strain of gonorrhea, which is resistant to treatment with penicillin, is viewed as a serious threat to gonorrhea control programs throughout the United States. During 1987, 2 PPNG cases were reported in South Dakota.

Syphilis

Nine (9) cases of early, infectious syphilis (primary, secondary, and early latent of less than one year's duration) were reported in South Dakota during 1987 (see Figure 14). This represents a case rate of 1.27 per 100,000 population (national case rate is 11.6 per 100,000). Epidemiologic evidence supports the assumption that South Dakota is free of indigenously acquired or transmitted syphilis. Accordingly, the occurrence of an early syphilis case in South Dakota is considered a public health emergency by the South Dakota Department of Health, and it receives immediate epidemiologic action.

Chlamydia

A surveillance program for the identification of chlamydia was instituted in 1987. A major objective of the STD Program is to incorporate chlamydia into the realm of Sexually Transmitted Disease (STD) prevention and control. Chlamydia has been recognized nationally as a leading cause of pelvic inflammatory disease and fertility problems in young women. Nationwide chlamydia incidence is estimated to be at least twice that of gonorrhea. South Dakota reported 2,296 cases of chlamydia during 1987, evidence that chlamydia is being recognized as a STD problem among the sexually active.

TUBERCULOSIS

During calendar year 1987, a total of 29 cases of active tuberculosis was reported to the South Dakota Department of Health. This figure is the same as last year and reflects the gradual trend of decrease in morbidity representing approximately a 29 percent decrease in incidence when compared with the mean number of cases reported during the preceding five years (see Figure 15).

The incidence rate for non-Indian South Dakota residents during 1987 was 1.51 cases per 100,000 population. The incidence rate for South Dakota Native Americans was 41.4 cases per 100,000 population. The over-all statewide incidence was 4.1 cases per 100,000, which compares with the national case rate of approximately 9.3 per 100,000.

A matter of concern in South Dakota as well as at the national level is the occurrence of tuberculosis in young children (under five years of age). Each such case represents a double failure: a failure to interrupt transmission of infection from a case of tuberculosis and a failure to prevent, through drug prophylaxis, the emergence of disease in such an infected child. In 1987, there were three new tuberculosis cases among children in this age group.

ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS)

Acquired Immunodeficiency Syndrome (AIDS) is the medical term used to describe a disease that damages the body's immune system, which normally protects us from disease. In people with AIDS, the immune system can't fight off infections. Opportunistic infections - unusual infections or cancers that don't pose a threat to anyone whose immune system is working - become life-threatening. The syndrome was first described in 1981, and by the end of 1987, 49,342 cases had been reported to the Centers for Disease Control in Atlanta, Georgia.

The disease first appeared in the United States in the male homosexual and intravenous drug user communities and continues to be concentrated in people who practice risk associated activities, generally those persons who expose themselves to potential HIV infected individuals through unsafe sexual activity or who share IV drug equipment. Sixty-five percent of reported cases are homosexual/bisexual males; 17% are intravenous drug abusers; 8% are homosexual males and intravenous drug abusers; 4% are heterosexual cases; 2% are transfusion, blood/components related; 1% are hemophilia/coagulation disorders; and 3% are undetermined.

South Dakota's first case of AIDS was reported in September 1985, and, as of December 31, 1987, a total of 11 cases have been reported that meet the formal AIDS case definition established by the federal Centers for Disease Control for reporting purposes. Five cases were in-state residents, and six were out-of-state. Eight of the eleven have since died. One has left the state with his condition unknown.

The six out-of-state cases were from areas of the country known to have a significant incidence of AIDS. Of the five South Dakota AIDS cases, all were adult males who had histories of homosexual/bisexual lifestyles or had received blood products before 1985. Routine AIDS screening of donated blood and blood products was initiated in the Spring of 1985.

In addition to the eleven AIDS cases reported in South Dakota, there were 60 individuals in the state known to be infected with the virus that causes AIDS. Those infected with the virus but not yet showing any signs of illness were not required to be reported prior to January 1, 1988, but the Department of Health did encourage voluntary reporting so HIV infections could be monitored and evaluated for risk of transmission to others. Many of the infections were found through Health Department counseling and testing sites. Others were found as the result of routine screening of blood donors, persons receiving blood products before 1985, prisoners, and those seeking testing from private physicians. The majority of those found had practiced behaviors that placed them at risk of acquiring HIV infection. In South Dakota, there have been no cases of AIDS that have been known to be acquired heterosexually.

The Department of Health has taken an active approach to AIDS by working with schools, colleges, universities, and employers to develop comprehensive AIDS policies before the specific need arises. The Department issued its recommended AIDS policy for school-age children in March 1986.

FIGURE 16

REPORTED MORBIDITY FOR GONORRHEA, SOUTH DAKOTA, 1977-1987

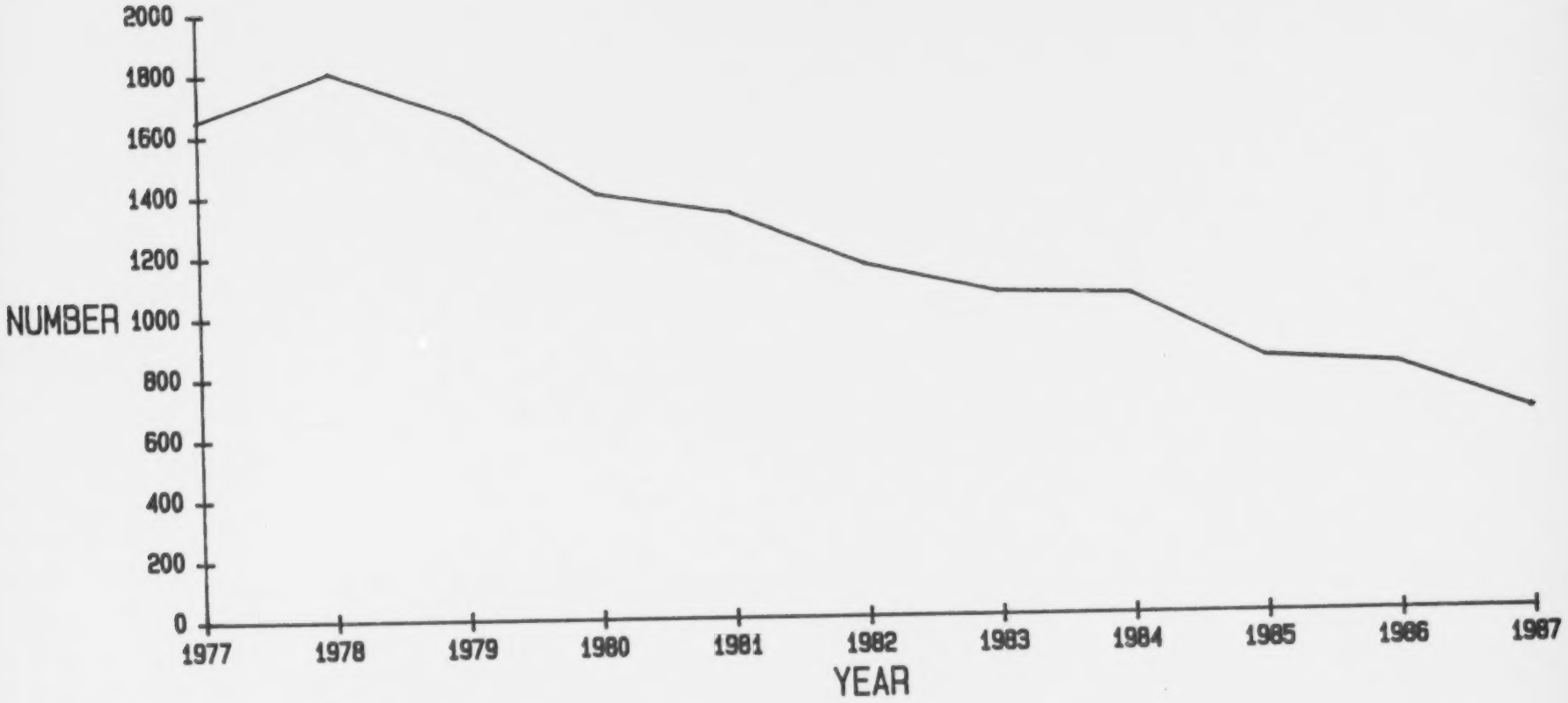


FIGURE 17

REPORTED MORBIDITY FOR SYPHILIS, SOUTH DAKOTA, 1977-1987

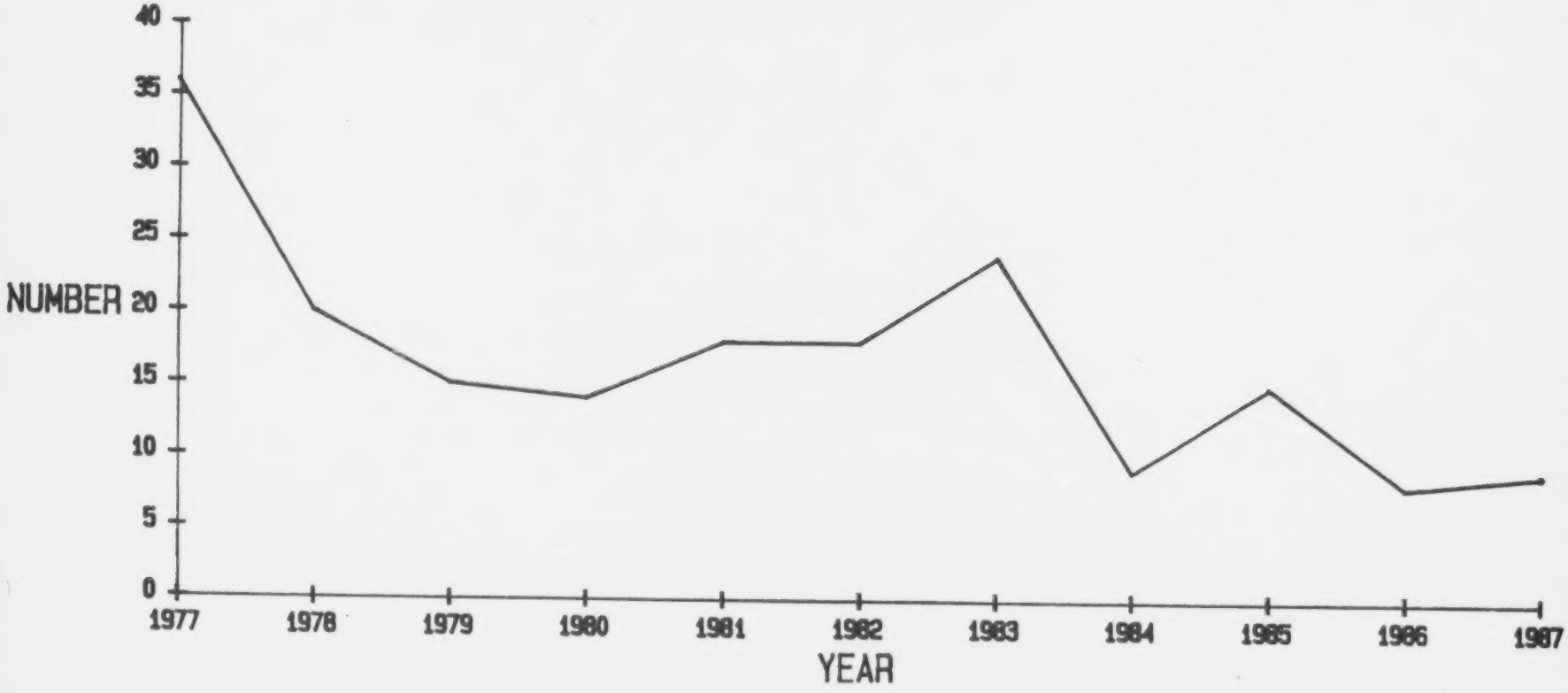


FIGURE 18

REPORTED MORBIDITY FOR TUBERCULOSIS, SOUTH DAKOTA, 1977-1987

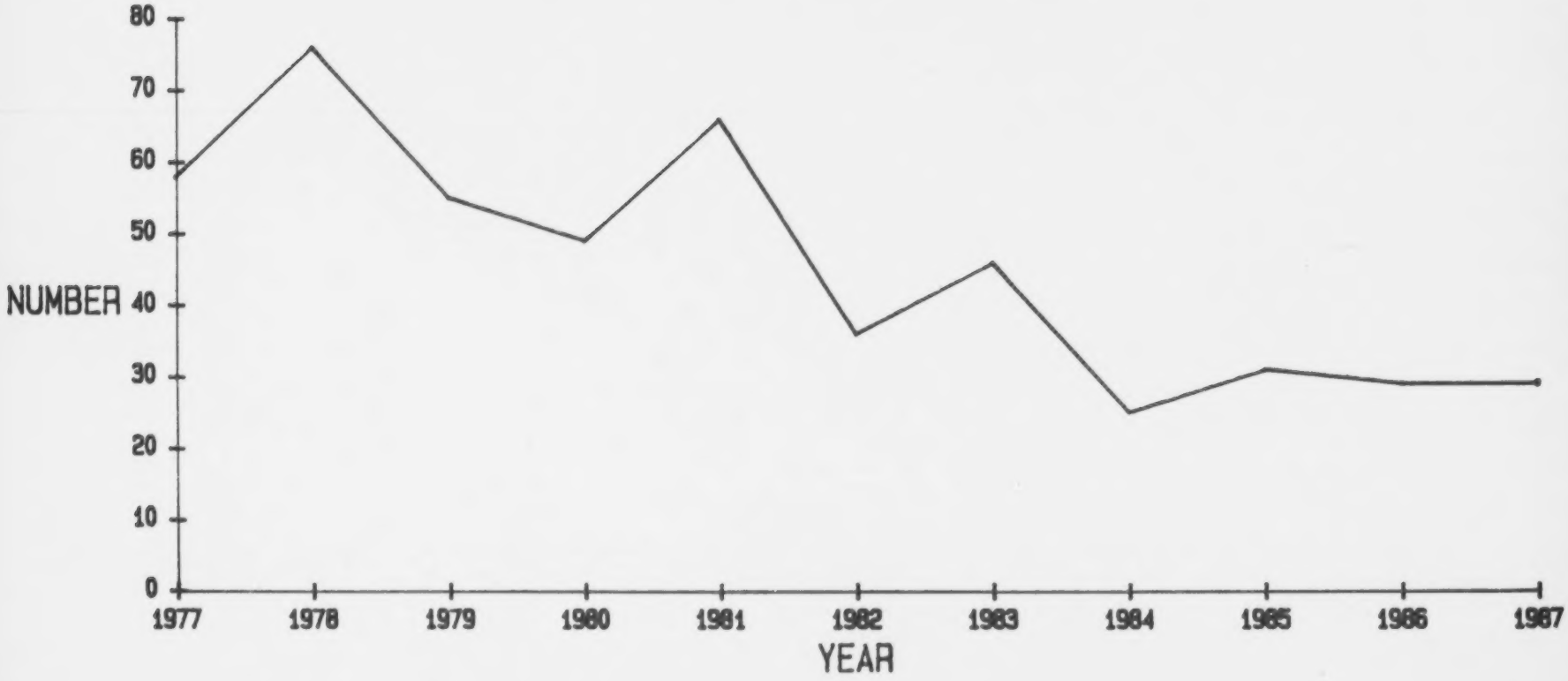


TABLE 57 51

REPORTED CASES OF SPECIFIC NOTIFIABLE DISEASES, SOUTH DAKOTA, 1977-1987

DISEASE	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977
South Dakota Population	709,000	709,000	708,000	705,000	699,000	694,000	691,000	690,000	690,000	691,000	697,000
AIDS (1)	2	2	1	-	-	-	-	-	-	-	-
Amebiasis	1	1	9	3	1	-	-	-	2	-	-
Anthrax	-	-	-	-	-	-	-	-	-	-	-
Botulism:	-										
Foodborne		-	-	-	-	-	-	-	-	-	-
Infant		-	-	-	-	-	-	-	-	-	-
Other		-	-	-	-	-	-	-	-	-	-
Brucellosis	-	3	2	-	4	1	1	3	2	2	1
Chickenpox	574	788	1,140	1,362	645	271	995	1,115	635	641	872
Chlorose	-	-	-	-	-	-	-	-	-	-	-
Dengue	-	-	-	-	-	-	-	-	-	-	-
Diphtheria	-	-	-	-	-	-	-	-	-	-	-
Encephalitis:											
Primary		15	8	2	1	-	1	-	1	-	6
Post-infectious	2	-	-	1	1	1	1	-	1	-	-
Giardiasis	252	274	361	253	196	100	38	58	30	1	-
Hepatitis (viral):											
A (infectious)	15	171	313	286	187	14	38	72	207	342	34
B (serum)	11	19	30	26	17	17	8	8	19	14	13
non-A, non-B (2)	7	7	8	5	3	-	-	-	-	-	-
Unspecified	-	1	-	-	1	1	2	2	-	24	5
Influenza	9,396	14,354	11,468	10,830	3,312	526	2,653	2,422	2,965	2,011	1,682
Legionellosis	15	14	9	2	1	-	-	-	1	-	-
Leprosy (Hansen's disease)	-	-	-	-	-	1	-	-	-	-	-
Leptospirosis	-	-	-	-	-	-	1	-	-	-	-
Malaria	-	3	1	1	1	-	1	-	1	1	1
Measles (total) (3)	-	-	-	-	-	-	-	-	3	-	75
Indigenous	-	-	-	-	-	-	-	-	-	-	-
Imported	-	-	-	-	-	-	-	-	-	-	-
Meningococcal Infections	4	8	5	6	4	11	10	8	4	4	8
Meningitis:											
Aseptic	43	57	26	9	22	8	8	13	3	4	2
Bacterial	56	45	58	53	50	59	50	30	37	26	22
Mumps	89	1	-	-	-	1	1	3	11	11	59
Pertussis	4	14	11	9	8	6	2	3	-	11	1
Plague	-	-	-	-	-	-	-	-	-	-	-
Poliomyelitis:	-										
Paralytic		-	-	-	-	-	-	-	-	-	-
Nonparalytic		-	-	-	-	-	-	-	-	-	-
Unspecified		-	-	-	-	-	-	-	-	-	-
Psittacosis	-	-	-	-	-	-	-	-	-	-	-
Rabies:											
In Animals	220	192	347	218	149	116	323	472	143	98	139
In Humans	-	-	-	-	-	-	-	-	-	-	-
Rheumatic Fever (acute)	1	1	3	2	1	1	-	-	-	-	-
Rocky Mountain Spotted Fever	1	6	2	5	5	4	-	2	-	7	2
Rubella	-	-	-	-	-	-	-	3	5	113	89
Rubella, Congenital Syndrome	-	-	-	-	1	-	-	-	-	-	-
Salmonellosis	112	186	98	82	135	103	165	98	90	103	56
Scarlet Fever (4)	32	27	20	17	17	56	-	-	-	-	-
Shigellosis	77	134	76	113	116	114	68	113	73	105	49
Smallpox	-	-	-	-	-	-	-	-	-	-	-
Streptococcal Pharyngitis	1,300	2,248	2,580	3,106	2,016	1,993	1,301	2,707	4,631	3,509	5,640
Tetanus	-	1	-	1	-	-	-	-	-	1	-
Toxic-Shock Syndrome (5)	3	3	3	3	3	6	7	-	-	-	-
Trichinosis	-	-	-	-	-	-	1	-	-	-	-
Tuberculosis	29	29	31	25	46	36	66	49	55	76	58
Tularemia	9	3	8	34	10	1	3	1	3	-	3
Typhoid Fever	-	-	-	-	-	-	1	1	-	-	-
Typhus Fever	-	-	-	-	-	-	-	-	-	-	-
Venereal Diseases											
Chancroid	-	-	-	-	-	-	-	-	-	-	-
Gonorrhea	659	815	842	1,055	1,067	1,164	1,339	1,406	1,660	1,812	1,656
Granuloma Inguinale	-	-	-	-	-	-	-	-	-	-	-
Lymphogranuloma Venereum	-	-	2	-	-	-	-	1	-	-	-
Syphilis	11	13	15	9	24	18	18	14	15	30	36
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-

1 Not reportable before 1983.
2 Not reportable before 1982.
3 Only total measles cases reported before 1982.
4 Scarlet fever cases included with streptococcal pharyngitis cases before 1982.
5 Not reportable before 1981.

TABLE ~~58~~ 52

REPORTED CASES OF SELECTED NOTIFIABLE DISEASES BY MONTH OF REPORT
SOUTH DAKOTA, 1987

DISEASE	TOTAL	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
AIDS	2	1	-	-	-	1	-	-	-	1	-	-	-
Amebiasis	1	-	-	-	-	-	-	1	-	-	-	-	-
Anthrax	-	-	-	-	-	-	-	-	-	-	-	-	-
Botulism:													
Foodborne	-	-	-	-	-	-	-	-	-	-	-	-	-
Infant	-	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-	-	-	-
Brucellosis	-	-	-	-	-	-	-	-	-	-	-	-	-
Chickenpox	574	86	133	57	54	95	56	3	6	-	13	40	42
Cholera	-	-	-	-	-	-	-	-	-	-	-	-	-
Dengue	-	-	-	-	-	-	-	-	-	-	-	-	-
Diphtheria	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis:													
Primary	-	-	-	-	-	-	-	-	-	-	-	-	-
Post-infectious	3	-	-	-	1	-	-	-	1	-	-	-	-
Giardiasis	353	13	15	11	31	13	33	14	30	30	34	32	36
Hepatitis (viral):													
A (infectious)	15	1	2	-	4	1	1	-	-	1	-	-	5
B (serum)	11	-	1	1	-	1	-	-	3	1	2	2	-
non-A, non-B	7	-	-	-	1	1	1	1	-	1	1	-	1
Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-
Influenza	9,396	2,349	2,830	1,051	-	-	-	-	-	-	-	1,446	1,720
Legionellosis	15	-	-	-	4	2	2	1	1	2	-	-	3
Leprosy (Hansen's disease)	-	-	-	-	-	-	-	-	-	-	-	-	-
Leptospirosis	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles:													
Indigenous	-	-	-	-	-	-	-	-	-	-	-	-	-
Imported	-	-	-	-	-	-	-	-	-	-	-	-	-
Meningococcal infections	4	-	1	-	-	-	-	1	-	-	-	1	1
Meningitis:													
Aseptic	43	2	1	3	1	1	-	7	11	10	5	1	2
Bacterial	56	3	4	3	3	5	6	3	4	9	5	5	6
Mumps	89	3	5	4	20	31	16	5	4	1	-	-	-
Pertussis	4	1	-	-	1	-	-	1	-	-	-	-	1
Plague	-	-	-	-	-	-	-	-	-	-	-	-	-
Poliomyelitis:													
Paralytic	-	-	-	-	-	-	-	-	-	-	-	-	-
Nonparalytic	-	-	-	-	-	-	-	-	-	-	-	-	-
Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-
Psittacosis	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabies:													
In Animals	220	14	8	25	29	31	39	15	15	18	18	17	9
In Humans	-	-	-	-	-	-	-	-	-	-	-	-	-
Rheumatic Fever (acute)	1	1	-	-	-	-	-	-	-	-	-	-	-
Rocky Mountain Spotted Fever	1	-	-	-	-	-	-	1	-	-	-	-	-
Rubella	-	-	-	-	-	-	-	-	-	-	-	-	-
Rubella, Congenital Syndrome	-	-	-	-	-	-	-	-	-	-	-	-	-
Salmonellosis	113	-	5	4	7	10	11	10	15	16	12	10	13
Scarlet Fever	33	2	4	2	8	2	2	1	1	1	5	1	3
Shigellosis	77	5	8	5	6	5	8	4	11	11	5	3	6
Smallpox	-	-	-	-	-	-	-	-	-	-	-	-	-
Streptococcal Pharyngitis	1,380	220	130	56	141	58	72	37	44	74	182	174	176
Tetanus	-	-	-	-	-	-	-	-	-	-	-	-	-
Toxic-shock Syndrome	3	-	-	-	1	-	-	-	-	-	-	1	-
Trichinosis	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis	29	2	-	3	4	-	7	5	-	3	-	1	5
Tularemia	9	-	-	-	-	-	3	3	3	2	-	-	-
Typhoid Fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever	-	-	-	-	-	-	-	-	-	-	-	-	-
Venereal Diseases:													
Chancroid	-	-	-	-	-	-	-	-	-	-	-	-	-
Gonorrhea	659	73	56	39	55	45	43	50	55	66	78	30	66
Granuloma Inguinale	-	-	-	-	-	-	-	-	-	-	-	-	-
Lymphogranuloma Venereum	-	-	-	-	-	-	-	-	-	-	-	-	-
Syphilis	11	-	1	2	2	-	2	1	-	2	1	-	-
Yellow Fever	-	-	-	-	-	-	-	-	-	-	-	-	-

TECHNICAL NOTES

A. SOURCES OF DATA

Vital Events

Birth and death certificates, reports of fetal deaths, and induced abortion reports are the source documents for data on vital events of South Dakota during the 1987 calendar year. A copy of each of these types of certificates is included in the Samples of Data Collection Section. Marriage and divorce data are compiled from transcripts which are received from each county. Copies of a marriage certificate and of the record of divorce are also included in the samples of Data Collection section.

The cut-off date for 1987 data in this report was April 15, 1988. Any data pertaining to a 1987 event for which a certificate was filed after April 15, 1988 are not included in this report. The number of records received after that date is so small that in most instances, it is of little significance for the purpose of analysis.

Events relating to South Dakota residents which occurred in another state are included in this report. The inclusion of these data are made possible by an agreement among all registration areas in the United States for resident exchange of copies of certificates.

Birth and fetal death records are the responsibility of the person in attendance, however, the records are usually completed by medical records personnel who are not necessarily present at the delivery. Death records are the responsibility of the funeral director. These records are seldom completed by hospital personnel or physicians, although the medical certification is completed by a physician or coroner.

Population

The July 1, 1986 provisional county populations used in this publication are estimates prepared through the Federal State Cooperative Program For Local Population Estimates and the State Data Center. The county estimates are based on an average of a regression (ratio-correlation) method and an administrative records method.

The regression method uses a multiple regression equation to relate changes in the distribution of selected data to changes in the distribution of population among counties. The selected data used in the regression method are: federal income tax returns, resident births, resident deaths, and registered motor vehicles. The administrative records method is a component method that incorporates various subsets of data to determine population estimates. The subsets include: individual federal income tax returns to measure the net intercounty migration of the non-group quarters populations under 65 years old; reported resident births and deaths to estimate net natural changes; and data on Medicare enrollees to estimate the population 65 years of age and over. This method uses additional population data, such as, inmates of institutions, college students in dormitories, military personnel living in barracks, immigration from abroad and net movement between the military and civilian population.

The provisional population estimates are developed by averaging estimates from the regression and administrative records methods and controlling estimates to the corresponding state estimates.

B. DATA DELIMITATIONS

Quality

The quality of data presented in this report is directly related to the completeness and accuracy of the information contained on the certificates.

Medical Certification

Causes of death on death certificates and medical data on birth certificates are coded according to the ninth revision of the International Classification of Diseases (ICD). This classifiction is adopted by the World Health Organization and is used throughout the world for selecting the underlying cause of death and classifying the cause.

Race

The race reported on the vital records reflects the opinion of the informant and does not follow any prescribed rules for the reporting of race. This report shows tabulations for white, Indian, and other. Persons classified as other are few in South Dakota and tabulations reflecting these events are relatively meaningless.

Birth data is tabulated using the race of the mother. No attempt is made to determine the race of the child from the race shown for the father and the mother.

C. GEOGRAPHIC ALLOCATION

In South Dakota, registration of vital events is classified geographically in two ways. The first way is by place of occurrence, i.e., the actual state and county in which the birth or death took place. The second, and more customary way, is by place of residence, i.e., the state or county stated to be the usual residence of the decedent in the case of deaths or of the mother in the case of a newborn.

Fetal deaths and infant deaths, in cases where the child was never discharged from the hospital, are classified to the residence of the mother.

Occurrence statistics have administrative value and statistical significance, especially when calculating accident statistics. Residence statistics are useful in determining health indices for planning and evaluation purposes. The statistics provided in this report are residence data unless otherwise stated.

Allocation of vital events by place of residence is sometimes difficult, because classification depends entirely on the statement of the usual place of residence furnished by the informant at the time the original certificate is completed. For various reasons, this statement may be incorrect or incomplete. For example, mailing addresses very often differ from the actual geographic residence.

D. DEFINITIONS

Occurrence, Place of - Data allocated by place where the event occurred, irrespective of the person's place of residence.

Residence, Place of - Data allocated by place of residence, irrespective of where the event occurred.

Live Birth - The complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy, which, after separation, shows evidence of life.

Crude Birth Rate - The number of resident live births divided by the total resident population X 1,000.

Crude Death Rate - The number of resident deaths divided by the total resident population X 1,000.

Cause Specific Death Rate - The number of resident deaths due to a specific cause divided by the total resident population X 100,000.

Proportional Mortality Rate (PMR) - Sometimes called the "Mortality Ratio", is the proportion that a specified cause of mortality is in relation to all causes of mortality.

$$\frac{\text{Number of deaths from Cause "A"}}{\text{Number of deaths from all causes}} \times 100$$

Infant Death - Death of a live born infant less than one year (365 days) of age. Infant deaths equal the sum of neonatal plus postneonatal deaths.

Infant Death Rate - The number of infant deaths divided by the total number of live births X 1,000.

Neonatal Death Rate - (Neonatal Death = Death occurring to infants 1-27 days old). The number of neonatal deaths divided by the total number of live births X 1,000.

Postneonatal Death Rate - (Postneonatal Death = Death occuring to infants 28 days to 1 year of age). The number of postneonatal deaths divided by the total number of live births X 1,000.

Fetal Death - Death prior to the complete expulsion or extraction from its mother of a product of human conception irrespective of the duration of pregnancy, as indicated by the fact that after such expulsion or extraction the fetus does not show evidence of life. (South Dakota requires the reporting of any fetus weighing over 500 grams).

Fetal Death Rate - The number of fetal deaths divided by the total number of live births and fetal deaths X 1,000.

Abortion - The termination of human pregnancy with an intention other than to produce a live birth or to remove a dead fetus.

Samples of Data Collection Instruments

STATE OF SOUTH DAKOTA
DEPARTMENT OF HEALTH
CERTIFICATE OF LIVE BIRTH

COUNTY FILE NUMBER

140- BIRTH NUMBER

SEX

CHILD

CHILD—NAME FIRST MIDDLE LAST — 1

SEX — 2

DATE OF BIRTH (Mo., Day, Yr.) — 3a

HOUR — 3b AM

PLACE OF BIRTH

HOSPITAL—NAME (If not in hospital, give street and number) — 4a

CITY, TOWN, OR LOCATION OF BIRTH — 4b

COUNTY OF BIRTH — 4c

ATTENDENT

CERTIFIER

I certify that the stated information concerning this child is true to the best of my knowledge and belief.

5a. (Signature) ▶

DATE SIGNED (Mo., Day, Yr.) — 5b

NAME AND TITLE OF ATTENDANT AT BIRTH IF OTHER THAN CERTIFIER (Type or print) — 5c

CERTIFIER—NAME AND TITLE (Type or Print) — 5d

MAILING ADDRESS (Street or R.F.D. No., City or Town, State, Zip) — 5e

REGISTRAR

6a. (Signature) ▶

DATE RECEIVED BY REGISTRAR (Month, Day, Year) — 6b

MOTHER

MOTHER—MAIDEN NAME FIRST MIDDLE LAST — 7a

AGE (At time of this birth) — 7b

STATE OF BIRTH (If not in U.S.A., name country) — 7c

MOTHER'S RESIDENCE

RESIDENCE—STATE — 8a

COUNTY — 8b

CITY, TOWN OR LOCATION — 8c

STREET AND NUMBER OF RESIDENCE — 8d

INSIDE CITY LIMITS (Specify yes or no) — 8e

ZIP CODE

MOTHER'S MAILING ADDRESS—If same as above, enter Zip Code only — 9

FATHER

FATHER—NAME FIRST MIDDLE LAST — 10a

AGE (At time of this birth) — 10b

STATE OF BIRTH (If not in U.S.A., name country) — 10c

I certify that the personal information provided on this certificate is correct to the best of my knowledge and belief.

Signature of Parent or other informant ▶ — 11a

RELATION TO CHILD — 11b

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

	RACE	EDUCATION (HIGHEST GRADE COMPLETED)		PREGNANCY HISTORY				15. BIRTH WEIGHT
		Elementary or Secondary (0-12)	College (1-4 or 5+)	LIVE BIRTHS (Do not include this Child)		OTHER TERMINATIONS (Spontaneous and Induced)		
RACE OF MOTHER — MOTHER	Specify-White, Black American Indian, etc. — 12a	12b		13a. Now Living	13b. Now Dead	13d. Before 20 weeks	13e. After 20 weeks	_____ grams OR _____ lbs. _____ oz.
RACE OF FATHER — FATHER	Specify-White, Black American Indian, etc. — 14a	14b		Number_____ None ☐	Number_____ None ☐	Number_____ None ☐	Number_____ None ☐	

This Birth (Single, Twin, Triple) — 16	IF NOT SINGLE BIRTH—Born first, second, third, etc. (Specify) — 17	WAS MOTHER MARRIED AT TIME OF CONCEPTION OR BIRTH? — 18

COMPLICATIONS OF PREGNANCY

DATE LAST NORMAL MENSES BEGAN (Month, Day, Year) — 19	MONTH OF PREGNANCY PRENATAL CARE BEGAN First, second, etc. (Specify) — 20a	PRENATAL VISITS Total Number (If none, so state) — 20b	DATE OF LAST LIVE BIRTH (Month, Year) — 13c	DATE OF LAST OTHER TERMINATION (as indicated in d or e above) (Month, Year) — 13f

APGAR SCORE — 1 MIN. / 5 MIN. — 21

COMPLICATIONS OF PREGNANCY (DESCRIBE OR WRITE NONE) — 22

CONCURRENT ILLNESSES OR CONDITIONS AFFECTING PREGNANCY (DESCRIBE OR WRITE NONE) — 23

COMPLICATIONS OF LABOR AND/OR DELIVERY (DESCRIBE OR WRITE NONE) — 24

BIRTH INJURIES TO CHILD (DESCRIBE OR WRITE NONE) — 25

CONCURRENT ILLNESSES

CONGENITAL MALFORMATIONS OR ANOMALIES OF CHILD (DESCRIBE OR WRITE NONE) — 26

FETAL ALCOHOL SYNDROME — 27 ☐ Yes ☐ No

P.K.U. TEST PERFORMED — 28 ☐ Before 24 Hours ☐ After 24 Hours ☐ Not Done

HYPOTHYROID TEST PERFORMED — 29 ☐ Yes ☐ No

COMPLICATIONS OF LABOR

AMNIOCENTESES PERFORMED — 30 ☐ Yes ☐ No

KARYOTYPE TEST PERFORMED — 31 ☐ Yes ☐ No

CAESAREAN SECTION — 32 ☐ Classical ☐ Low Cervical ☐ Other

PHYSICIAN'S ESTIMATE OF GESTATION LENGTH (In Weeks) — 33

TRIMESTER MOTHER STARTED PRENATAL CLASSES DURING THIS PREGNANCY — 34 ☐ 1st ☐ 2nd ☐ 3rd ☐ None

BIRTH INJURIES

CONGENITAL MALFORMS

HAS 0275

Jan. 1, 1983

WHITE COPY DEPARTMENT OF HEALTH — YELLOW COPY LOCAL REGISTRAR — PINK COPY HOSPITAL OR PHYSICIAN

TYPE OR PRINT IN PERMANENT INK FOR INSTRUCTIONS SEE HANDBOOK

STATE OF SOUTH DAKOTA
DEPARTMENT OF HEALTH
CERTIFICATE OF DEATH

LOCAL FILE NUMBER

140

STATE FILE NUMBER

DECEDENT

DECEDENT — NAME (FIRST, MIDDLE, LAST) 1 | SEX 2 | DATE OF DEATH (MONTH, DAY, YEAR) 3

RACE (WHITE, NEGRO, AMERICAN INDIAN, ETC. — SPECIFY) 4 | AGE — LAST BIRTHDAY (YEARS) 5a | UNDER 1 YEAR (MOS. 5b, DAYS) | UNDER 1 DAY (HOURS 5c, MIN.) | DATE OF BIRTH (MONTH, DAY, YEAR) 6 | COUNTY OF DEATH 6a

CITY, TOWN, OR LOCATION OF DEATH 7b | HOSPITAL OR OTHER INSTITUTION — NAME (IF NOT IN EITHER, GIVE STREET AND NUMBER) 7c | IF HOSP. OR INST. (Indicate OC, OP/Emer. Rm., Inpatient) (Specify) 7d

ZIP

STATE OF BIRTH (IF NOT IN U.S.A., NAME COUNTRY) 8 | CITIZEN OF WHAT COUNTRY 9 | MARRIED, NEVER MARRIED, WIDOWED, DIVORCED (SPECIFY) 10 | SURVIVING SPOUSE (IF WIFE, GIVE MAIDEN NAME) 11

SOCIAL SECURITY NUMBER 12 | USUAL OCCUPATION (GIVE KIND OF WORK DONE DURING MOST OF WORKING LIFE, EVEN IF RETIRED) 13a | KIND OF BUSINESS OR INDUSTRY 13b

RESIDENCE — STATE 14a | COUNTY 14b | CITY, TOWN, OR LOCATION AND ZIP CODE 14c | INSIDE CITY LIMITS (SPECIFY YES OR NO) 14d | STREET AND NUMBER 14e

PARENTS

FATHER — NAME (FIRST, MIDDLE, LAST) 15 | MOTHER — MAIDEN NAME (FIRST, MIDDLE, LAST) 16

INFORMANT — NAME 17a | MAILING ADDRESS (STREET OR R.F.D. NO., CITY OR TOWN, STATE, ZIP) 17b | WAS DECEASED A VETERAN 17c.

CAUSE OF DEATH

PART I. DEATH WAS CAUSED BY (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).) | APPROXIMATE INTERVAL BETWEEN ONSET AND DEATH

18

IMMEDIATE CAUSE (a)

DUE TO, OR AS A CONSEQUENCE OF (b)

CONDITIONS, IF ANY, WHICH GAVE RISE TO IMMEDIATE CAUSE (a), STATING THE UNDERLYING CAUSE LAST

DUE TO, OR AS A CONSEQUENCE OF (c)

CAUSE

WORK

PART II. OTHER SIGNIFICANT CONDITIONS. CONDITIONS CONTRIBUTING TO DEATH BUT NOT RELATED TO CAUSE GIVEN IN PART I (a). | AUTOPSY (YES OR NO) 19a | WAS CASE REFERRED TO CORONER? (Specify Yes or No) 19b

CO. ACC

PLACE

LINE NO

ACCIDENT, SUICIDE, HOMICIDE OR UNDETERMINED (SPECIFY) 20a | DATE OF INJURY (MONTH, DAY, YEAR) 20b | HOUR OF INJURY 20c AM PM | HOW INJURY OCCURRED (ENTER NATURE OF INJURY IN PART I OR PART II, ITEM 18.)

INJURY AT WORK (SPECIFY YES OR NO) 20d | PLACE OF INJURY (AT HOME, FARM, STREET, FACTORY, OFFICE BLDG., ETC. — SPECIFY) 20e | LOCATION (County, City or Town, State) 20g

AUTOPSY

CERTIFIER

To be Completed by PHYSICIAN Only

21a. To the best of my knowledge death occurred at the time, date and place and due to the cause(s) stated.

(Signature and Title) ▶

DATE SIGNED (Mo., Day, Yr.) 21b | HOUR OF DEATH 21c AM PM

To be Completed by CORONER Only

22a. On the basis of examination and/or investigation, in my opinion death occurred at the time, date and place and due to the cause(s) stated.

(Signature and Title) ▶

DATE SIGNED (Mo., Day, Yr.) 22b | HOUR OF DEATH 22c AM PM

NAME AND ADDRESS OF CERTIFIER (PHYSICIAN, MEDICAL EXAMINER OR CORONER) (Type or Print) 23

ATIFIER

CORONER

DISPOSITION

BURIAL, CREMATION, REMOVAL (SPECIFY) 24a | CEMETERY OR CREMATORY — NAME 24b | LOCATION — CITY OR TOWN, STATE 24c

DATE (MONTH, DAY, YEAR) 24d | FUNERAL HOME — NAME AND ADDRESS 25a | EMBALMER — SIGNATURE & NUMBER (IF NOT EMBALMED — LEAVE BLANK) 25b

FUNERAL DIRECTOR — SIGNATURE AND NUMBER 26b | REGISTRAR — SIGNATURE 26a | DATE RECEIVED BY LOCAL REGISTRAR 26b

P.D. NUMBER

HAS 0276 REV. JAN. 1978

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MAIL TO:
Public Health Statistics
State Dept. of Health
Foss Building
Pierre, South Dakota 57501

State of South Dakota
Department of Health

REPORT OF FETAL DEATH

State File Number

HOSPITAL—NAME (If not in hospital, give street and number) 1a.			CITY, TOWN OR LOCATION OF DELIVERY 1b.		COUNTY OF DELIVERY 1c.
DATE OF DELIVERY (Month, Day, Year) 2a.	HOUR OF DELIVERY 2b.			SEX OF FETUS 3.	WEIGHT OF FETUS 4.
FATHER FAMILY SURNAME 5a.		AGE (At time of this delivery) 5b.	RACE—(e.g., White, Black, American Indian, etc.) (Specify) 5c.	EDUCATION (Specify only highest grade completed) Elementary or Secondary (0–12) 5d.	College (1—4 or 5+)
MOTHER RESIDENCE—STATE 6a.	COUNTY 6b.	CITY, TOWN, ZIP 6c.	INSIDE CITY LIMITS (Specify yes or no) 6d.	PREGNANCY HISTORY (Complete each section) LIVE BIRTHS	OTHER TERMINATIONS (Spontaneous and Induced)
AGE (At time of this delivery) 7.	RACE—(e.g., White, Black, American Indian, etc. Specify) 8.	EDUCATION (Specify only highest grade completed) (Elementary or Secondary (0–12)) 9.	College (1—4 or 5+)	IS MOTHER MARRIED? (Specify yes or no) 10.	11a. NOW LIVING Number ____ None [ ] / 11b. NOW DEAD Number ____ None [ ]	11c. BEFORE 20 WEEKS Number ____ None [ ] / 11d. 20 WEEKS OR MORE Number ____ (Do not include this fetus) None [ ]
MONTH OF PREGNANCY PRENATAL CARE BEGAN First, Second, etc. (Specify) 12a.	PRENATAL VISITS Total Number (If none, so state) 12b.	THIS BIRTH—Single, twin, triplet, etc. (Specify) 13a.	IF NOT SINGLE BIRTH—Born first, second, third, etc. (Specify) 13b.	DATE OF LAST LIVE BIRTH (Month, Year) 11e.		DATE OF LAST OTHER TERMINATION (as indicated in c or d above) (Month, Year) 11f.

CAUSE OF FETAL DEATH

PART I

14 Fetal or maternal condition directly causing fetal death. IMMEDIATE CAUSE (ENTER ONLY ONE CAUSE PER LINE FOR (a), (b), AND (c).) Specify Fetal or Maternal

(a) _____

Fetal and/or maternal conditions, if any giving rise to the immediate cause (a), stating the underlying cause last. DUE TO, OR AS A CONSEQUENCE OF Specify Fetal or Maternal

(b) _____

DUE TO, OR AS A CONSEQUENCE OF Specify Fetal or Maternal

(c) _____

PART II

OTHER SIGNIFICANT CONDITIONS OF FETUS OR MOTHER. Conditions contributing to fetal death but not related to cause given in (a)	FETUS DIED BEFORE LABOR DURING LABOR OR DELIVERY UNKNOWN (Specify) 15.	PHYSICIAN'S ESTIMATE OF GESTATION (Weeks) 16.	AUTOPSY (Specify yes or no) 17.

COMPLICATIONS OF PREGNANCY (Describe or write "none") 18.	COMPLICATIONS OF LABOR AND/OR DELIVERY (Describe or write "none") 19.
CONCURRENT ILLNESSES OR CONDITIONS AFFECTING THE PREGNANCY (Describe or write "none") 20.	CONGENITAL MALFORMATIONS OR ANOMALIES OF FETUS (Describe or write "none") 21.
NAME OF PHYSICIAN, ATTENDANT or CORONER (Type or print) TITLE 22a.	ADDRESS OF PHYSICIAN, ATTENDANT or CORONER 22b.

HAS0274 Rev. 7/77

STATE OF SOUTH DAKOTA
DEPARTMENT OF HEALTH

INDUCED ABORTION REPORT

Do not write in this column

1 — PLACE OF OCCURRENCE

2 — 1. NAME OF HOSPITAL, CLINIC OR PHYSICIAN'S OFFICE

3 — 2. STATE | 3. COUNTY | 4. CITY

4 — PATIENT INFORMATION

5 — 5. STATE OF RESIDENCE | 6. COUNTY OF RESIDENCE

6 — 7. AGE

7 — 8. RACE OR ETHNIC GROUP

8 — [ ] WHITE [ ] INDIAN [ ] NEGRO [ ] OTHER (Specify)

9 — MARITAL STATUS

[ ] Never Married [ ] Married [ ] Widowed [ ] Divorced [ ] Unknown

10 — NUMBER OF LIVING CHILDREN

11 — NUMBER OF PREVIOUS INDUCED ABORTIONS

12 — MEDICAL INFORMATION

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DATE OF ABORTION (Month, Day, Year)

13 — PHYSICIAN'S ESTIMATE OF LENGTH OF GESTATION _____ WEEKS

14 — WEIGHT OF FETUS _____ LBS. _____ OZ.

15 — Rh FACTOR

[ ] Positive [ ] Negative

16 — ANTI-Rh-IMMUNE GLOBULIN GIVEN?

[ ] Yes [ ] No

17 — ABORTION PROCEDURE USED

[ ] Suction Curettage
[ ] Sharp Curettage
[ ] Hysterotomy
[ ] Hysterectomy
[ ] Intra-uterine Saline Instillation
[ ] Intra-uterine Prostaglandin Instillation
[ ] Other (Specify) _____

18 — FETAL ABNORMALITY

[ ] Normal [ ] Abnormal (Specify) _____

19 — REASON FOR ABORTION

[ ] Maternal Mental Health
[ ] Maternal Physical Health
[ ] Probability of Congenital Deformity
[ ] Rape or Incest
[ ] Economic
[ ] Other

20 — MATERNAL COMPLICATIONS (Specify) _____

21 — NAME OF PHYSICIAN

22 — DATE OF REPORT (Month, Day, Year)

HAS 0251 Rev. 10/77

SEE INSTRUCTIONS ON REVERSE SIDE

COUNTY OF _____

LICENSE NUMBER _____

SOUTH DAKOTA MARRIAGE LICENSE

STATE FILE NUMBER

THIS MARRIAGE LICENSE BECOMES VOID IF THE MARRIAGE IS NOT SOLEMNIZED WITHIN 30 DAYS FROM DATE OF ISSUE.

GROOM

GROOM NAME	FIRST	MIDDLE	LAST
1.			

RESIDENCE – STATE	COUNTY	CITY, TOWN OR LOCATION
2a.	2b.	2c.
STATE OF BIRTH (if not USA name country)	DATE OF BIRTH (month, day, year)	AGE LAST BIRTHDAY (years)
3.	4.	5.

BRIDE

BRIDE NAME	FIRST	MIDDLE	LAST
6.			

RESIDENCE – STATE	COUNTY	CITY, TOWN OR LOCATION
7a.	7b.	7c.
STATE OF BIRTH (if not USA name country)	DATE OF BIRTH (month, day, year)	AGE LAST BIRTHDAY (years)
8.	9.	10.

WE HEREBY CERTIFY THAT THE INFORMATION PROVIDED IS CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF AND THAT WE ARE FREE TO MARRY UNDER THE LAWS OF SOUTH DAKOTA

GROOM'S SIGNATURE	BRIDE'S SIGNATURE
11. ▶	12. ▶

LICENSE ISSUED (month, day, year)	SIGNATURE OF COUNTY TREASURER OR DEPUTY ISSUING LICENSE
19a.	19b. ▶

CEREMONY

MARRIED ON (month, day, year)	WHERE MARRIED – CITY	COUNTY
20a.	20b.	20c.

PERSON PERFORMING CEREMONY	TITLE	TYPE OF CEREMONY (Religious or civil, specify)
20d. Signature ▶	20e.	20f.

WITNESS TO CEREMONY	WITNESS TO CEREMONY
21a. Signature ▶	21b. Signature ▶
RESIDENCE OF WITNESS (city and state)	RESIDENCE OF WITNESS (city and state)
21c.	21d.

COUNTY TREASURER FILING RETURN	DATE RECEIVED BY COUNTY TREASURER Month Day Year
22a. Signature ▶	22b.

THIS RECORD MUST BE COMPLETED AND RETURNED
TO THE COUNTY TREASURER ISSUING LICENSE
WITHIN 30 DAYS AFTER THE MARRIAGE

GROOM	RACE–White, Indian, Negro, etc. (specify) 13.	NUMBER OF TIMES PREVIOUSLY MARRIED 14.	LAST MARITAL STATUS never married, widowed, divorced, annulment (specify) 15.
BRIDE	RACE–White, Indian, Negro, etc. (specify) 16.	NUMBER OF TIMES PREVIOUSLY MARRIED 17.	LAST MARITAL STATUS never married, widowed, divorced, annulment (specify) 18.

HAS 0272

RETURN WITHIN 30 DAYS TO COUNTY TREASURER IN COUNTY WHERE MARRIAGE IS SOLEMNIZED

STATE OF SOUTH DAKOTA
DEPARTMENT OF HEALTH

RECORD OF DIVORCE OR ANNULMENT

County File Number | State File Number

HUSBAND

HUSBAND—NAME (First, Middle, Last)

RESIDENCE—STATE (2a.)	COUNTY (2b)	CITY, TOWN, or LOCATION (2c)	AGE (if known) (3)	RACE (if known) (4)

WIFE

WIFE—NAME (First, Middle, Last) (5a.)

RESIDENCE—STATE (6a.)	COUNTY (6b)	CITY, TOWN, or LOCATION (6c)	AGE (if known) (7)	RACE (if known) (8)

PLACE OF THIS MARRIAGE (state) (9a.)	DATE OF THIS MARRIAGE (Mo. Day Yr.) (9b.)	PLAINTIFF ( ) Husband ( ) Wife (10)	CHILDREN UNDER 18 IN THIS FAMILY (11)

ATTORNEY FOR PLAINTIFF (Type or print) (12a.)	ADDRESS (STREET OR R.F.D. No. / CITY OR TOWN / STATE / ZIP) (12b.)

DECREE

DATE OF DECREE (Mo. Day Yr.) (13)	TYPE OF DECREE ( ) Divorce ( ) Annulment (14)	DECREE GRANTED TO ( ) Husband ( ) Wife (15)

CUSTODY OF MINOR CHILDREN AWARDED TO — Husband (specify number) — Wife (specify number) (16)

LEGAL GROUNDS FOR DECREE (specify) (17)	COUNTY WHERE DECREE IS FILED (18)	DATE OF RECORDING (Mo. Day Yr.) (19)

HAS—0271 REV 7/78 UCS—975